



October 27, 2000

Roy F. Weston, Inc.  
1090 King Georges Post Rd.  
Suite 201  
Edison, NJ 08837  
Attn: Ms. Smita Sumbaly

RE: Client Project: #1021 and #1068  
Mitkem Lab Project # 71643 and 71647

Dear Ms. Sumbaly:

Enclosed please find the data report of the required analysis for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business

Sincerely,

Kin Chiu  
Technical Director

388542



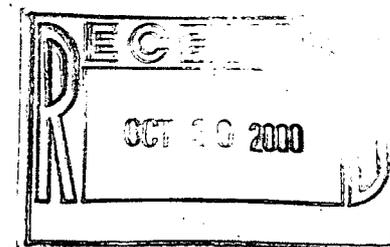
**Analytical Data Package for Roy F. Weston, Inc.**

**Client Project: 1068**

**SDG# 71643**

**Mitkem Project ID: 71643**

**October 27, 2000**



## SDG Narrative



Mitkem Corporation submits the enclosed data package in response to Roy F. Weston, Inc.'s project. Under this deliverable, analysis results are presented for seventeen aqueous samples that were received on October 12, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussion with the client.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Lab ID</u>	<u>Analysis</u>
250WS-IF	71643001	V, S
250WS-CF	71643002	V, S
250WS-EF	71643003	V, S
240WS-IF	71643004	V, S
240WS-CF	71643005	V, S
240WS-EF	71643006	V, S
420WS-EF	71643007	V, S
246WS-IF	71643008	V, S
246WS-CF	71643009	V, S
246WS-EF	71643010	V, S
005SR-IF	71643011	V, S
005SR-CF	71643012	V, S
005SR-EF	71643013	V, S
247WS-IF	71643014	V, S
247WS-CF	71643015	V, S
247WS-EF	71643016	V, S
TB-01	71643017	V
005SR-IFMS	71643018	V, S
005SR-IFMSD	71643019	V, S

V = Volatile organics – 524.2

S = Semivolatile organics – OLM04.2

The following observation and/or deviations are observed for the following analyses:

### 1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the

originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

## 2. Volatile Analysis:

The analyses were performed by Method 524.2 and reported in CLP-like format.

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Surrogate recovery: recoveries were within the QC limits

Lab Fortified Blanks: m & p-xylenes and bromoform were recovered out of the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on 005SR-IF. Spike recovery and replicate precision were within the advisory QC limits as based on LFB criteria.

Sample analysis: additional surrogates/internal standards were added to the samples. These included dibromofluoromethane (5.8 min), 1,2-dichloroethane-d4 (6.2 min), toluene-d8 (8.4 min) and chlorobenzene-d5 (10.3 min). These analytes were not labeled in the sample chromatograms. No other unusual observation was noted for the analyses.

## 3. Semivolatile Analysis:

The analyses were performed and reported according to CLP OLM04.2 SOW.

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: all recoveries were within the QC limits.

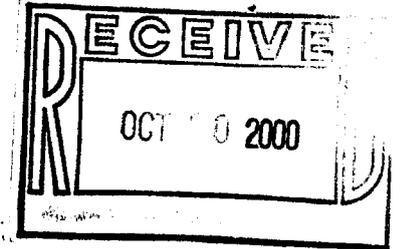
Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on 005SR-IF. Spike recovery and replicate precision were within the advisory QC limits except 4-nitrophenol, which was recovered high in both spikes.

Sample analysis: No unusual observation was noted for the analyses.

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Kin Chiu  
Technical Director  
10/27/00



\* Data Summary Package \*

## SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Roy F. Weston, Inc.'s project. Under this deliverable, analysis results are presented for seventeen aqueous samples that were received on October 12, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussion with the client.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Lab ID</u>	<u>Analysis</u>
250WS-IF	71643001	V, S
250WS-CF	71643002	V, S
250WS-EF	71643003	V, S
240WS-IF	71643004	V, S
240WS-CF	71643005	V, S
240WS-EF	71643006	V, S
420WS-EF	71643007	V, S
246WS-IF	71643008	V, S
246WS-CF	71643009	V, S
246WS-EF	71643010	V, S
005SR-IF	71643011	V, S
005SR-CF	71643012	V, S
005SR-EF	71643013	V, S
247WS-IF	71643014	V, S
247WS-CF	71643015	V, S
247WS-EF	71643016	V, S
TB-01	71643017	V
005SR-IFMS	71643018	V, S
005SR-IFMSD	71643019	V, S

V = Volatile organics – 524.2

S = Semivolatile organics – OLM04.2

The following observation and/or deviations are observed for the following analyses:

### 1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the

originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

## 2. Volatile Analysis:

The analyses were performed by Method 524.2 and reported in CLP-like format.

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Surrogate recovery: recoveries were within the QC limits

Lab Fortified Blanks: m & p-xylenes and bromoform were recovered out of the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on 005SR-IF. Spike recovery and replicate precision were within the advisory QC limits as based on LFB criteria.

Sample analysis: additional surrogates/internal standards were added to the samples. These included dibromofluoromethane (5.8 min), 1,2-dichloroethane-d4 (6.2 min), toluene-d8 (8.4 min) and chlorobenzene-d5 (10.3 min). These analytes were not labeled in the sample chromatograms. No other unusual observation was noted for the analyses.

## 3. Semivolatile Analysis:

The analyses were performed and reported according to CLP OLM04.2 SOW.

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

Surrogate recovery: all recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on 005SR-IF. Spike recovery and replicate precision were within the advisory QC limits except 4-nitrophenol, which was recovered high in both spikes.

Sample analysis: No unusual observation was noted for the analyses.

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.



Kin Chiu  
Technical Director  
10/27/00

71643

RFP No.:  
1068  
PO No.:  
0018332

CHAIN OF CUSTODY RECORD



REMOVAL SUPPORT TEAM  
EPA CONTRACT 68-W-00-113  
Phone: 732-225-6116 Fax: 732-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

page 1 of 2

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II RST  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, RST Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER	
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC		
11 250WS-IF	10/11/00 1050	2	L	G	6	X	X									+ MTBE
02 250WS-CF	1055	2	L			X	X									
03 250WS-EF	1100	2	L			X	X									
04 240WS-IF	1130	2	L			X	X									
05 240WS-IF	1135	2	L			X	X									
06 240WS-EF	1140	2	L			X	X									
07 420WS-EF	1150	2	L			X	X									
08 246WS-IF	1225	2	L			X	X									
09 246WS-CF	1230	2	L			X	X									
10 246WS-EF	1235	2	L			X	X									
11 005SR-IF	1355	2	L			X	X									MS/MSD

Comments: VOA samples are not preserved; analyze within 7-days using method 524.2

Person Assuming Responsibility for Sample: Mitkem Corporation  
175 Metro Ctr. Bldg  
Warwick, RI 02886  
Attn: Ben Dodge  
ph: 401 732-3400  
Time Date (MM/DD/YY)

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	Michael Baird	1800	10/11/00	Fedex Airbill # B9353860400	Shipment
		9:00	10/20/00	Stan Kudach	

Roy F. Weston, Inc.  
FEDERAL PROGRAMS DIVISION  
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

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71643

RFP No.:  
1068

PO No.:  
0018332

CHAIN OF CUSTODY RECORD



REMOVAL SUPPORT TEAM  
EPA CONTRACT 68-W-00-113  
Phone: 732-225-6116 Fax: 732-225-7037

Matrix Box No.:  
1. Surface Water  
2. Ground Water  
3. Leachate  
4. Rinsate  
5. Soil/Sediment  
6. Oil  
7. Waste  
8. Other (Specify) *Trip Blank*

Preservative Box No.:  
1. HCl  
2. HN03  
3. Na2SO4  
4. H2SO4  
5. Other (Specify)  
6. Ice Only  
7. Not Preserved  
8. See Comments

Page 2 of 2

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II RST  
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703  
Attention: Smita Sumbaly, RST Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS						RCRA ANALYSIS			OTHER	
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC		
005SR-CF	10/11/00 1400	2	L	G	6	X	X									+ MTBE
005SR-EF	1405	2	L			X	X									
247WS-IF	1450	2	L			X	X									
247WS-CF	1455	2	L			X	X									
247WS-EF	1500	2	L			X	X									
TB-01	10/11/00 -	8	-	G		X										Trip Blank-01

Comments: VOA samples are not preserved; analyze within 7-days following method 524.2

Person Assuming Responsibility for Sample: *Mitkem Corporation*  
175 Metro Ctr. Blvd.  
Warwick, RI 02886  
Attn: Ben Dodge  
ph: 401 732-0340  
Time Date (MM/DD/YY)

Sample Number A11	Relinquished By: <i>Michael Sumbaly</i>	Time 1800	Date 10/11/00	Received By: <i>Fedex Airbill #</i> 819353860400	Reason for Change of Custody <i>Shipment</i>
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Sample Number	Relinquished By:	Time 9:00	Date 10-12-00	Received By: <i>Stu Ladeh</i>	Reason for Change of Custody
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Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
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Roy F. Weston, Inc.  
FEDERAL PROGRAMS DIVISION  
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WF-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643004

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4806

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	1	
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.8	
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U



1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

240W <sup>6</sup> IF
----------------------

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643004

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4806

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643005

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4807

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643005

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4807

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643006

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4808

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-EF
----------

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643006

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4808

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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100-41-4-----Ethylbenzene	0.5	U
136777-61-2-----m,p-Xylene	0.5	U
95-47-6-----o-Xylene	0.5	U
100-42-5-----Styrene	0.5	U
75-25-2-----Bromofom	0.5	U
98-82-8-----Isopropylbenzene	0.5	U
79-34-5-----1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----Bromobenzene	0.5	U
96-18-4-----1,2,3-Trichloropropane	0.5	U
103-65-1-----n-Propylbenzene	0.5	U
95-49-8-----2-Chlorotoluene	0.5	U
108-67-8-----1,3,5-Trimethylbenzene	0.5	U
106-43-4-----4-Chlorotoluene	0.5	U
98-06-6-----tert-Butylbenzene	0.5	U
95-63-6-----1,2,4-Trimethylbenzene	0.5	U
135-98-8-----sec-Butylbenzene	0.5	U
541-73-1-----1,3-Dichlorobenzene	0.5	U
99-87-6-----4-Isopropyltoluene	0.5	U
106-46-7-----1,4-Dichlorobenzene	0.5	U
104-51-8-----n-Butylbenzene	0.5	U
95-50-1-----1,2-Dichlorobenzene	0.5	U
96-12-8-----1,2-Dibromo-3-chloropropane	0.5	U
120-82-1-----1,2,4-Trichlorobenzene	0.5	U
87-68-3-----Hexachlorobutadiene	0.5	U
91-20-3-----Naphthalene	0.5	U
87-61-6-----1,2,3-Trichlorobenzene	0.5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643006

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4808

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WF-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643003

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4805

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WF-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643003

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4805

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

250WF-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643003

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4805

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643002

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4804

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643002

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4804

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643002

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4804

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643001

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4803

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	6	
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643001

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4803

Level:    (low/med)    LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/17/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4-----	Ethylbenzene	0.5	U
136777-61-2-----	m,p-Xylene	0.5	U
95-47-6-----	o-Xylene	0.5	U
100-42-5-----	Styrene	0.5	U
75-25-2-----	Bromoform	0.5	U
98-82-8-----	Isopropylbenzene	0.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----	Bromobenzene	0.5	U
96-18-4-----	1,2,3-Trichloropropane	0.5	U
103-65-1-----	n-Propylbenzene	0.5	U
95-49-8-----	2-Chlorotoluene	0.5	U
108-67-8-----	1,3,5-Trimethylbenzene	0.5	U
106-43-4-----	4-Chlorotoluene	0.5	U
98-06-6-----	tert-Butylbenzene	0.5	U
95-63-6-----	1,2,4-Trimethylbenzene	0.5	U
135-98-8-----	sec-Butylbenzene	0.5	U
541-73-1-----	1,3-Dichlorobenzene	0.5	U
99-87-6-----	4-Isopropyltoluene	0.5	U
106-46-7-----	1,4-Dichlorobenzene	0.5	U
104-51-8-----	n-Butylbenzene	0.5	U
95-50-1-----	1,2-Dichlorobenzene	0.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1-----	1,2,4-Trichlorobenzene	0.5	U
87-68-3-----	Hexachlorobutadiene	0.5	U
91-20-3-----	Naphthalene	0.5	U
87-61-6-----	1,2,3-Trichlorobenzene	0.5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643001

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4803

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643012

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4836

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643012

Sample wt/vol:            25.00 (g/mL) ML                      Lab File ID:    V2D4836  
 Level:      (low/med)    LOW                                      Date Received: 10/12/00  
 % Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00  
 GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643012

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4836

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643013

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4841

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643013

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4841

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643011

Sample wt/vol:                      25.00 (g/mL) ML                      Lab File ID:      V2D4840

Level:      (low/med)      LOW                      Date Received: 10/12/00

% Moisture: not dec.                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume:                      (uL)                      Soil Aliquot Volume:                      (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	35	
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643011

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4840

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec.

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643011

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4840

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643  
 Matrix: (soil/water) WATER                      Lab Sample ID: 71643009

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4817  
 Level:      (low/med)      LOW                      Date Received: 10/12/00  
 % Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00  
 GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643009

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4817

Level:      (low/med)    LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643009

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4817

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643010

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4818

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643010

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:      V2D4818

Level:      (low/med)      LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4-----	Ethylbenzene	0.5	U
136777-61-2-----	m,p-Xylene	0.5	U
95-47-6-----	o-Xylene	0.5	U
100-42-5-----	Styrene	0.5	U
75-25-2-----	Bromoform	0.5	U
98-82-8-----	Isopropylbenzene	0.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----	Bromobenzene	0.5	U
96-18-4-----	1,2,3-Trichloropropane	0.5	U
103-65-1-----	n-Propylbenzene	0.5	U
95-49-8-----	2-Chlorotoluene	0.5	U
108-67-8-----	1,3,5-Trimethylbenzene	0.5	U
106-43-4-----	4-Chlorotoluene	0.5	U
98-06-6-----	tert-Butylbenzene	0.5	U
95-63-6-----	1,2,4-Trimethylbenzene	0.5	U
135-98-8-----	sec-Butylbenzene	0.5	U
541-73-1-----	1,3-Dichlorobenzene	0.5	U
99-87-6-----	4-Isopropyltoluene	0.5	U
106-46-7-----	1,4-Dichlorobenzene	0.5	U
104-51-8-----	n-Butylbenzene	0.5	U
95-50-1-----	1,2-Dichlorobenzene	0.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1-----	1,2,4-Trichlorobenzene	0.5	U
87-68-3-----	Hexachlorobutadiene	0.5	U
91-20-3-----	Naphthalene	0.5	U
87-61-6-----	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643010

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4818

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643008

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4816

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643008

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4816

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643015

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4839  
 Level:      (low/med)    LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	1	
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643015

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4839

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643016

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4819

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643016

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4819

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.                      COMPOUND                      CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L                      Q

100-41-4-----	Ethylbenzene	0.5	U
136777-61-2-----	m,p-Xylene	0.5	U
95-47-6-----	o-Xylene	0.5	U
100-42-5-----	Styrene	0.5	U
75-25-2-----	Bromoform	0.5	U
98-82-8-----	Isopropylbenzene	0.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----	Bromobenzene	0.5	U
96-18-4-----	1,2,3-Trichloropropane	0.5	U
103-65-1-----	n-Propylbenzene	0.5	U
95-49-8-----	2-Chlorotoluene	0.5	U
108-67-8-----	1,3,5-Trimethylbenzene	0.5	U
106-43-4-----	4-Chlorotoluene	0.5	U
98-06-6-----	tert-Butylbenzene	0.5	U
95-63-6-----	1,2,4-Trimethylbenzene	0.5	U
135-98-8-----	sec-Butylbenzene	0.5	U
541-73-1-----	1,3-Dichlorobenzene	0.5	U
99-87-6-----	4-Isopropyltoluene	0.5	U
106-46-7-----	1,4-Dichlorobenzene	0.5	U
104-51-8-----	n-Butylbenzene	0.5	U
95-50-1-----	1,2-Dichlorobenzene	0.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1-----	1,2,4-Trichlorobenzene	0.5	U
87-68-3-----	Hexachlorobutadiene	0.5	U
91-20-3-----	Naphthalene	0.5	U
87-61-6-----	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643016

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4819

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643014

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4838

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643014

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4838

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643014

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4838

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643007

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4834

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643007

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4834

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643007

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4834

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643017

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4820

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643017

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4820

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643017

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4820

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	ACETONE	3.60	14	J
2. 110-54-3	HEXANE	4.58	2	NJ
3. 96-37-7	CYCLOPENTANE, METHYL-	5.25	2	NJ
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix: (soil/water) WATER                      Lab Sample ID: V2L1018A  
 Sample wt/vol:                      25.00 (g/mL) ML                      Lab File ID:      V2D4833  
 Level:      (low/med)      LOW                      Date Received: \_\_\_\_\_  
 % Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00  
 GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	_____
74-87-3	Chloromethane	2	_____
75-01-4	Vinyl Chloride	2	_____
74-83-9	Bromomethane	2	_____
75-00-3	Chloroethane	2	_____
75-69-4	Trichlorofluoromethane	2	_____
75-35-4	1,1-Dichloroethene	2	_____
75-09-2	Methylene Chloride	2	_____
156-60-5	trans-1,2-Dichloroethene	2	_____
1634-04-4	Methyl tert-butyl ether	2	_____
75-34-3	1,1-Dichloroethane	2	_____
156-59-2	cis-1,2-Dichloroethene	2	_____
590-20-7	2,2-Dichloropropane	2	_____
107-06-2	1,2-Dichloroethane	2	_____
74-97-5	Bromochloromethane	2	_____
67-66-3	Chloroform	2	_____
56-23-5	Carbon Tetrachloride	2	_____
71-55-6	1,1,1-Trichloroethane	2	_____
563-58-6	1,1-Dichloropropene	2	_____
79-01-6	Trichloroethene	2	_____
78-87-5	1,2-Dichloropropane	2	_____
71-43-2	Benzene	2	_____
74-95-3	Dibromomethane	2	_____
75-27-4	Bromodichloromethane	2	_____
10061-01-5	cis-1,3-Dichloropropene	2	_____
108-88-3	Toluene	2	_____
10061-02-6	trans-1,3-Dichloropropene	2	_____
79-00-5	1,1,2-Trichloroethane	2	_____
127-18-4	Tetrachloroethene	2	_____
142-28-9	1,3-Dichloropropane	2	_____
124-48-1	Dibromochloromethane	2	_____
106-93-4	1,2-Dibromoethane	2	_____
108-90-7	Chlorobenzene	2	_____
630-20-6	1,1,1,2-Tetrachloroethane	2	_____

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2L1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4833

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene		2
136777-61-2	m, p-Xylene		3
95-47-6	o-Xylene		2
100-42-5	Styrene		2
75-25-2	Bromoform		1
98-82-8	Isopropylbenzene		2
79-34-5	1, 1, 2, 2-Tetrachloroethane		2
108-86-1	Bromobenzene		2
96-18-4	1, 2, 3-Trichloropropane		2
103-65-1	n-Propylbenzene		2
95-49-8	2-Chlorotoluene		2
108-67-8	1, 3, 5-Trimethylbenzene		2
106-43-4	4-Chlorotoluene		2
98-06-6	tert-Butylbenzene		2
95-63-6	1, 2, 4-Trimethylbenzene		2
135-98-8	sec-Butylbenzene		2
541-73-1	1, 3-Dichlorobenzene		2
99-87-6	4-Isopropyltoluene		2
106-46-7	1, 4-Dichlorobenzene		2
104-51-8	n-Butylbenzene		2
95-50-1	1, 2-Dichlorobenzene		2
96-12-8	1, 2-Dibromo-3-chloropropane		2
120-82-1	1, 2, 4-Trichlorobenzene		2
87-68-3	Hexachlorobutadiene		2
91-20-3	Naphthalene		2
87-61-6	1, 2, 3-Trichlorobenzene		2

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMS

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643018

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4842

Level:    (low/med)    LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	6	
74-87-3	Chloromethane	6	
75-01-4	Vinyl Chloride	7	
74-83-9	Bromomethane	7	
75-00-3	Chloroethane	7	
75-69-4	Trichlorofluoromethane	7	
75-35-4	1,1-Dichloroethene	7	
75-09-2	Methylene Chloride	7	
156-60-5	trans-1,2-Dichloroethene	8	
1634-04-4	Methyl tert-butyl ether	9	
75-34-3	1,1-Dichloroethane	9	
156-59-2	cis-1,2-Dichloroethene	8	
590-20-7	2,2-Dichloropropane	8	
107-06-2	1,2-Dichloroethane	8	
74-97-5	Bromochloromethane	8	
67-66-3	Chloroform	8	
56-23-5	Carbon Tetrachloride	8	
71-55-6	1,1,1-Trichloroethane	9	
563-58-6	1,1-Dichloropropene	10	
79-01-6	Trichloroethene	44	E
78-87-5	1,2-Dichloropropane	9	
71-43-2	Benzene	9	
74-95-3	Dibromomethane	8	
75-27-4	Bromodichloromethane	9	
10061-01-5	cis-1,3-Dichloropropene	9	
108-88-3	Toluene	9	
10061-02-6	trans-1,3-Dichloropropene	9	
79-00-5	1,1,2-Trichloroethane	9	
127-18-4	Tetrachloroethene	8	
142-28-9	1,3-Dichloropropane	9	
124-48-1	Dibromochloromethane	8	
106-93-4	1,2-Dibromoethane	8	
108-90-7	Chlorobenzene	8	
630-20-6	1,1,1,2-Tetrachloroethane	8	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMS

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643018

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4842

Level:    (low/med)    LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4-----	Ethylbenzene	9	_____
136777-61-2-----	m,p-Xylene	16	_____
95-47-6-----	o-Xylene	8	_____
100-42-5-----	Styrene	8	_____
75-25-2-----	Bromoform	8	_____
98-82-8-----	Isopropylbenzene	9	_____
79-34-5-----	1,1,2,2-Tetrachloroethane	10	_____
108-86-1-----	Bromobenzene	9	_____
96-18-4-----	1,2,3-Trichloropropane	10	_____
103-65-1-----	n-Propylbenzene	10	_____
95-49-8-----	2-Chlorotoluene	10	_____
108-67-8-----	1,3,5-Trimethylbenzene	9	_____
106-43-4-----	4-Chlorotoluene	10	_____
98-06-6-----	tert-Butylbenzene	10	_____
95-63-6-----	1,2,4-Trimethylbenzene	10	_____
135-98-8-----	sec-Butylbenzene	10	_____
541-73-1-----	1,3-Dichlorobenzene	9	_____
99-87-6-----	4-Isopropyltoluene	9	_____
106-46-7-----	1,4-Dichlorobenzene	8	_____
104-51-8-----	n-Butylbenzene	10	_____
95-50-1-----	1,2-Dichlorobenzene	9	_____
96-12-8-----	1,2-Dibromo-3-chloropropane	11	_____
120-82-1-----	1,2,4-Trichlorobenzene	9	_____
87-68-3-----	Hexachlorobutadiene	9	_____
91-20-3-----	Naphthalene	9	_____
87-61-6-----	1,2,3-Trichlorobenzene	9	_____

061

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMSD

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: 71643019

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:      V2D4843

Level:      (low/med)      LOW                      Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8-----	Dichlorodifluoromethane	7	_____
74-87-3-----	Chloromethane	7	_____
75-01-4-----	Vinyl Chloride	8	_____
74-83-9-----	Bromomethane	7	_____
75-00-3-----	Chloroethane	8	_____
75-69-4-----	Trichlorofluoromethane	8	_____
75-35-4-----	1,1-Dichloroethene	8	_____
75-09-2-----	Methylene Chloride	7	_____
156-60-5-----	trans-1,2-Dichloroethene	8	_____
1634-04-4-----	Methyl tert-butyl ether	9	_____
75-34-3-----	1,1-Dichloroethane	9	_____
156-59-2-----	cis-1,2-Dichloroethene	9	_____
590-20-7-----	2,2-Dichloropropane	8	_____
107-06-2-----	1,2-Dichloroethane	9	_____
74-97-5-----	Bromochloromethane	8	_____
67-66-3-----	Chloroform	8	_____
56-23-5-----	Carbon Tetrachloride	8	_____
71-55-6-----	1,1,1-Trichloroethane	9	_____
563-58-6-----	1,1-Dichloropropene	10	_____
79-01-6-----	Trichloroethene	44	E
78-87-5-----	1,2-Dichloropropane	10	_____
71-43-2-----	Benzene	9	_____
74-95-3-----	Dibromomethane	9	_____
75-27-4-----	Bromodichloromethane	9	_____
10061-01-5-----	cis-1,3-Dichloropropene	9	_____
108-88-3-----	Toluene	9	_____
10061-02-6-----	trans-1,3-Dichloropropene	9	_____
79-00-5-----	1,1,2-Trichloroethane	8	_____
127-18-4-----	Tetrachloroethene	8	_____
142-28-9-----	1,3-Dichloropropane	9	_____
124-48-1-----	Dibromochloromethane	8	_____
106-93-4-----	1,2-Dibromoethane	8	_____
108-90-7-----	Chlorobenzene	8	_____
630-20-6-----	1,1,1,2-Tetrachloroethane	8	_____

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643019

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4843

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
100-41-4	Ethylbenzene		9	
136777-61-2	m,p-Xylene		17	
95-47-6	o-Xylene		8	
100-42-5	Styrene		8	
75-25-2	Bromoform		8	
98-82-8	Isopropylbenzene		9	
79-34-5	1,1,2,2-Tetrachloroethane		10	
108-86-1	Bromobenzene		9	
96-18-4	1,2,3-Trichloropropane		10	
103-65-1	n-Propylbenzene		10	
95-49-8	2-Chlorotoluene		10	
108-67-8	1,3,5-Trimethylbenzene		9	
106-43-4	4-Chlorotoluene		9	
98-06-6	tert-Butylbenzene		10	
95-63-6	1,2,4-Trimethylbenzene		9	
135-98-8	sec-Butylbenzene		10	
541-73-1	1,3-Dichlorobenzene		9	
99-87-6	4-Isopropyltoluene		9	
106-46-7	1,4-Dichlorobenzene		8	
104-51-8	n-Butylbenzene		10	
95-50-1	1,2-Dichlorobenzene		8	
96-12-8	1,2-Dibromo-3-chloropropane		10	
120-82-1	1,2,4-Trichlorobenzene		9	
87-68-3	Hexachlorobutadiene		9	
91-20-3	Naphthalene		9	
87-61-6	1,2,3-Trichlorobenzene		8	

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5890

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5890

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5889

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5889

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethylphthalate		10	U
86-73-7	Fluorene		10	U
7005-72-3	4-Chlorophenyl-phenylether		10	U
100-01-6	4-Nitroaniline		25	U
534-52-1	4,6-Dinitro-2-methylphenol		25	U
86-30-6	N-Nitrosodiphenylamine (1)		10	U
101-55-3	4-Bromophenyl-phenylether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		25	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		10	U
84-74-2	Di-n-butylphthalate		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butylbenzylphthalate		10	U
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	bis(2-Ethylhexyl)phthalate		10	U
117-84-0	Di-n-octylphthalate		10	U
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U
191-24-2	Benzo(g,h,i)perylene		10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5892

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5892

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5891

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5891

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5893

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5893

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/L</u>	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5919

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5919

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5920

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5920

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6008

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
100-52-7	Benzaldehyde	10	U	
108-95-2	Phenol	10	U	
111-44-4	bis(2-Chloroethyl) Ether	10	U	
95-57-8	2-Chlorophenol	10	U	
95-48-7	2-Methylphenol	10	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U	
98-86-2	Acetophenone	10	U	
106-44-5	4-Methylphenol	10	U	
621-64-7	N-Nitroso-di-n-propylamine	10	U	
67-72-1	Hexachloroethane	10	U	
98-95-3	Nitrobenzene	10	U	
78-59-1	Isophorone	10	U	
88-75-5	2-Nitrophenol	10	U	
105-67-9	2,4-Dimethylphenol	10	U	
111-91-1	bis(2-Chloroethoxy)methane	10	U	
120-83-2	2,4-Dichlorophenol	10	U	
91-20-3	Naphthalene	10	U	
106-47-8	4-Chloroaniline	10	U	
87-68-3	Hexachlorobutadiene	10	U	
105-60-2	Caprolactam	10	U	
59-50-7	4-Chloro-3-Methylphenol	10	U	
91-57-6	2-Methylnaphthalene	10	U	
77-47-4	Hexachlorocyclopentadiene	10	U	
88-06-2	2,4,6-Trichlorophenol	10	U	
95-95-4	2,4,5-Trichlorophenol	25	U	
92-52-4	1,1'-Biphenyl	10	U	
91-58-7	2-Chloronaphthalene	10	U	
88-74-4	2-Nitroaniline	25	U	
131-11-3	Dimethylphthalate	10	U	
606-20-2	2,6-Dinitrotoluene	10	U	
208-96-8	Acenaphthylene	10	U	
99-09-2	3-Nitroaniline	25	U	
83-32-9	Acenaphthene	10	U	

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6008

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo (a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl) phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo (b) fluoranthene	10	U
207-08-9	Benzo (k) fluoranthene	10	U
50-32-8	Benzo (a) pyrene	10	U
193-39-5	Indeno (1,2,3-cd) pyrene	10	U
53-70-3	Dibenzo (a, h) anthracene	10	U
191-24-2	Benzo (g, h, i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6009

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6009

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethylphthalate		10	U
86-73-7	Fluorene		10	U
7005-72-3	4-Chlorophenyl-phenylether		10	U
100-01-6	4-Nitroaniline		25	U
534-52-1	4,6-Dinitro-2-methylphenol		25	U
86-30-6	N-Nitrosodiphenylamine (1)		10	U
101-55-3	4-Bromophenyl-phenylether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		25	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		10	U
84-74-2	Di-n-butylphthalate		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butylbenzylphthalate		10	U
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	bis(2-Ethylhexyl)phthalate		10	U
117-84-0	Di-n-octylphthalate		10	U
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U
191-24-2	Benzo(g,h,i)perylene		10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6007

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6007

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6015

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6015

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6045

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6045

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6043

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-BF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6043

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethylphthalate		10	U
86-73-7	Fluorene		10	U
7005-72-3	4-Chlorophenyl-phenylether		10	U
100-01-6	4-Nitroaniline		25	U
534-52-1	4,6-Dinitro-2-methylphenol		25	U
86-30-6	N-Nitrosodiphenylamine (1)		10	U
101-55-3	4-Bromophenyl-phenylether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		25	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		10	U
84-74-2	Di-n-butylphthalate		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butylbenzylphthalate		10	U
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	bis(2-Ethylhexyl)phthalate		10	U
117-84-0	Di-n-octylphthalate		10	U
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U
191-24-2	Benzo(g,h,i)perylene		10	U

(1) - Cannot be separated from Diphenylamine

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6042

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6042

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethylphthalate		10	U
86-73-7	Fluorene		10	U
7005-72-3	4-Chlorophenyl-phenylether		10	U
100-01-6	4-Nitroaniline		25	U
534-52-1	4,6-Dinitro-2-methylphenol		25	U
86-30-6	N-Nitrosodiphenylamine (1)		10	U
101-55-3	4-Bromophenyl-phenylether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		25	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		10	U
84-74-2	Di-n-butylphthalate		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butylbenzylphthalate		10	U
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	bis(2-Ethylhexyl)phthalate		10	U
117-84-0	Di-n-octylphthalate		10	U
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U
191-24-2	Benzo(g,h,i)perylene		10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6041

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-BF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6041

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	UG/L	Q
51-28-5	2,4-Dinitrophenol		25	U
100-02-7	4-Nitrophenol		25	U
132-64-9	Dibenzofuran		10	U
121-14-2	2,4-Dinitrotoluene		10	U
84-66-2	Diethylphthalate		10	U
86-73-7	Fluorene		10	U
7005-72-3	4-Chlorophenyl-phenylether		10	U
100-01-6	4-Nitroaniline		25	U
534-52-1	4,6-Dinitro-2-methylphenol		25	U
86-30-6	N-Nitrosodiphenylamine (1)		10	U
101-55-3	4-Bromophenyl-phenylether		10	U
118-74-1	Hexachlorobenzene		10	U
1912-24-9	Atrazine		10	U
87-86-5	Pentachlorophenol		25	U
85-01-8	Phenanthrene		10	U
120-12-7	Anthracene		10	U
86-74-8	Carbazole		10	U
84-74-2	Di-n-butylphthalate		10	U
206-44-0	Fluoranthene		10	U
129-00-0	Pyrene		10	U
85-68-7	Butylbenzylphthalate		10	U
91-94-1	3,3'-Dichlorobenzidine		10	U
56-55-3	Benzo(a)anthracene		10	U
218-01-9	Chrysene		10	U
117-81-7	bis(2-Ethylhexyl)phthalate		10	U
117-84-0	Di-n-octylphthalate		10	U
205-99-2	Benzo(b)fluoranthene		10	U
207-08-9	Benzo(k)fluoranthene		10	U
50-32-8	Benzo(a)pyrene		10	U
193-39-5	Indeno(1,2,3-cd)pyrene		10	U
53-70-3	Dibenzo(a,h)anthracene		10	U
191-24-2	Benzo(g,h,i)perylene		10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6044

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6044

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: S1014-BW2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5986

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: S1014-BW2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5986

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/23/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3V

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: S1013-BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5918

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3V

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: S1013-BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5918

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6045

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643013

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6043

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6015

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5890

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643006

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5893

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5889

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643009

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6008

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643010

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6009

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643008

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6007

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONF

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643015

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6042

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643016

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6041

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643014

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6044

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/25/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

RPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5892

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

250WS-BF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5919

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5891

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/16/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5920

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONF

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK3D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: S1014-BW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3A5986

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_

Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/23/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK3V

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: S1013-BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A5918

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/13/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6016

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	57	
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	57	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	37	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	59	
91-57-6	2-Methylnaphthalene	22	
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	40	

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643018

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6016

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	61	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	41	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	66	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	44	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	7	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMSD

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6017

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	56	
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	57	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	35	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	58	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	40	

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMSD

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Matrix: (soil/water) WATER Lab Sample ID: 71643019

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3A6017

Level: (low/med) LOW Date Received: 10/12/00

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Extracted: 10/14/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/24/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Extraction: (Type) CONT

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	62	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	41	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	62	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	43	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

2A  
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

	EPA SAMPLE NO.	SMC1 (BFB) #	SMC2 (DCB) #	SMC3 #	OTHER	TOT OUT
01	VBLK2K	102	102			0
02	250WS-IF	98	102			0
03	250WS-CF	96	100			0
04	250WF-EF	97	100			0
05	240WF-IF	97	102			0
06	240WS-CF	95	100			0
07	240WS-EF	95	98			0
08	VBLK2L	98	102			0
09	246WS-IF	97	102			0
10	246WS-CF	99	101			0
11	246WS-EF	98	99			0
12	247WS-EF	97	103			0
13	TB-01	96	102			0
14	VBLK2M	93	101			0
15	VBLK2MLCS	82	101			0
16	420WS-EF	98	102			0
17	005SR-CF	99	102			0
18	247WS-IF	100	105			0
19	247WS-CF	99	104			0
20	005SR-IF	95	102			0
21	005SR-EF	98	102			0
22	005SR-IFMS	84	92			0
23	005SR-IFMSD	83	85			0
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (BFB) = Bromofluorobenzene (80-120)

SMC2 (DCB) = 1,2-Dichlorobenzene-d4 (80-120)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

2C  
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	240WS-IF	75	74	94	73	68	91	70	54	0
02	240WS-CF	86	82	98	85	80	97	83	64	0
03	250WS-IF	77	76	95	80	73	94	77	58	0
04	250WS-CF	84	81	93	85	81	97	83	59	0
05	240WS-EF	77	76	96	74	71	90	74	58	0
06	SBLK3V	72	67	95	71	68	87	70	47	0
07	250WS-EF	78	78	97	80	74	93	78	58	0
08	420WS-EF	76	75	99	76	72	87	76	56	0
09	SBLK3D	79	77	86	82	78	83	81	69	0
10	246WS-IF	80	77	88	79	78	85	82	71	0
11	246WS-CF	76	74	86	74	75	78	77	66	0
12	246WS-EF	64	58	68	66	64	63	67	57	0
13	005SR-IF	75	75	91	74	70	84	76	67	0
14	005SR-IFMS	76	78	86	78	75	85	78	70	0
15	005SR-IFMSD	74	76	83	77	73	80	77	68	0
16	247WS-EF	74	70	77	74	74	80	75	61	0
17	247WS-CF	54	54	67	55	54	63	56	48	0
18	005SR-EF	58	56	62	60	57	59	59	50	0
19	247WS-IF	56	55	62	59	56	61	58	50	0
20	005SR-CF	58	56	62	59	57	59	59	52	0
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)  
 S2 (FBP) = 2-Fluorobiphenyl (43-116)  
 S3 (TPH) = Terphenyl-d14 (33-141)  
 S4 (PHL) = Phenol-d5 (10-110)  
 S5 (2FP) = 2-Fluorophenol (21-110)  
 S6 (TBP) = 2,4,6-Tribromophenol (10-123)  
 S7 (2CP) = 2-Chlorophenol-d4 (33-110) (advisory)  
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (16-110) (advisory)

# Column to be used to flag recovery values  
 \* Values outside of contract required QC limits  
 D Surrogate diluted out

FORM 3  
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM    Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	2	0.0	2	100	80-120
Chloromethane	2	0.0	2	100	80-120
Vinyl Chloride	2	0.0	2	100	80-120
Bromomethane	2	0.0	2	100	80-120
Chloroethane	2	0.0	2	100	80-120
Trichlorofluoromethane	2	0.0	2	100	80-120
1,1-Dichloroethene	2	0.0	2	100	80-120
Methylene Chloride	2	0.0	2	100	80-120
trans-1,2-Dichloroethen	2	0.0	2	100	80-120
Methyl tert-butyl ether	2	0.0	2	100	80-120
1,1-Dichloroethane	2	0.0	2	100	80-120
cis-1,2-Dichloroethene	2	0.0	2	100	80-120
2,2-Dichloropropane	2	0.0	2	100	80-120
1,2-Dichloroethane	2	0.0	2	100	80-120
Bromochloromethane	2	0.0	2	100	80-120
Chloroform	2	0.0	2	100	80-120
Carbon Tetrachloride	2	0.0	2	100	80-120
1,1,1-Trichloroethane	2	0.0	2	100	80-120
1,1-Dichloropropene	2	0.0	2	100	80-120
Trichloroethene	2	0.0	2	100	80-120
1,2-Dichloropropane	2	0.0	2	100	80-120
Benzene	2	0.0	2	100	80-120
Dibromomethane	2	0.0	2	100	80-120
Bromodichloromethane	2	0.0	2	100	80-120
cis-1,3-Dichloropropene	2	0.0	2	100	80-120
Toluene	2	0.0	2	100	80-120
trans-1,3-Dichloroprope	2	0.0	2	100	80-120
1,1,2-Trichloroethane	2	0.0	2	100	80-120

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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FORM 3  
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Tetrachloroethene	2	0.0	2	100	80-120
1,3-Dichloropropane	2	0.0	2	100	80-120
Dibromochloromethane	2	0.0	2	100	80-120
1,2-Dibromoethane	2	0.0	2	100	80-120
Chlorobenzene	2	0.0	2	100	80-120
1,1,1,2-Tetrachloroetha	2	0.0	2	100	80-120
Ethylbenzene	2	0.0	2	100	80-120
m,p-Xylene	4	0.0	3	75*	80-120
o-Xylene	2	0.0	2	100	80-120
Styrene	2	0.0	2	100	80-120
Bromoform	2	0.0	1	50*	80-120
Isopropylbenzene	2	0.0	2	100	80-120
1,1,2,2-Tetrachloroetha	2	0.0	2	100	80-120
Bromobenzene	2	0.0	2	100	80-120
1,2,3-Trichloropropane	2	0.0	2	100	80-120
n-Propylbenzene	2	0.0	2	100	80-120
2-Chlorotoluene	2	0.0	2	100	80-120
1,3,5-Trimethylbenzene	2	0.0	2	100	80-120
4-Chlorotoluene	2	0.0	2	100	80-120
tert-Butylbenzene	2	0.0	2	100	80-120
1,2,4-Trimethylbenzene	2	0.0	2	100	80-120
sec-Butylbenzene	2	0.0	2	100	80-120
1,3-Dichlorobenzene	2	0.0	2	100	80-120
4-Isopropyltoluene	2	0.0	2	100	80-120
1,4-Dichlorobenzene	2	0.0	2	100	80-120
n-Butylbenzene	2	0.0	2	100	80-120
1,2-Dichlorobenzene	2	0.0	2	100	80-120
1,2-Dibromo-3-chloropro	2	0.0	2	100	80-120

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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FORM 3  
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	2	0.0	2	100	80-120
Hexachlorobutadiene	2	0.0	2	100	80-120
Naphthalene	2	0.0	2	100	80-120
1,2,3-Trichlorobenzene	2	0.0	2	100	80-120

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 60 outside limits

COMMENTS:

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3A  
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10	0.0	6	60*	70-130
Chloromethane	10	0.0	6	60*	70-130
Vinyl Chloride	10	0.0	7	70	70-130
Bromomethane	10	0.0	7	70	70-130
Chloroethane	10	0.0	7	70	70-130
Trichlorofluoromethane	10	0.0	7	70	70-130
1,1-Dichloroethene	10	0.0	7	70	70-130
Methylene Chloride	10	0.0	7	70	70-130
trans-1,2-Dichloroethen	10	0.0	8	80	70-130
Methyl tert-butyl ether	10	0.0	9	90	70-130
1,1-Dichloroethane	10	0.0	9	90	70-130
cis-1,2-Dichloroethene	10	0.0	8	80	70-130
2,2-Dichloropropane	10	0.0	8	80	70-130
1,2-Dichloroethane	10	0.0	8	80	70-130
Bromochloromethane	10	0.0	8	80	70-130
Chloroform	10	0.0	8	80	70-130
Carbon Tetrachloride	10	0.0	8	80	70-130
1,1,1-Trichloroethane	10	0.0	9	90	70-130
1,1-Dichloropropene	10	0.0	10	100	70-130
Trichloroethene	10	35	44	90	70-130
1,2-Dichloropropane	10	0.0	9	90	70-130
Benzene	10	0.0	9	90	70-130
Dibromomethane	10	0.0	8	80	70-130
Bromodichloromethane	10	0.0	9	90	70-130
cis-1,3-Dichloropropene	10	0.0	9	90	70-130
Toluene	10	0.0	9	90	70-130
trans-1,3-Dichloroprope	10	0.0	9	90	70-130
1,1,2-Trichloroethane	10	0.0	9	90	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3A  
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Tetrachloroethene	10	0.0	8	80	70-130
1,3-Dichloropropane	10	0.0	9	90	70-130
Dibromochloromethane	10	0.0	8	80	70-130
1,2-Dibromoethane	10	0.0	8	80	70-130
Chlorobenzene	10	0.0	8	80	70-130
1,1,1,2-Tetrachloroetha	10	0.0	8	80	70-130
Ethylbenzene	10	0.0	9	90	70-130
m,p-Xylene	20	0.0	16	80	70-130
o-Xylene	10	0.0	8	80	70-130
Styrene	10	0.0	8	80	70-130
Bromoform	10	0.0	8	80	70-130
Isopropylbenzene	10	0.0	9	90	70-130
1,1,2,2-Tetrachloroetha	10	0.0	10	100	70-130
Bromobenzene	10	0.0	9	90	70-130
1,2,3-Trichloropropane	10	0.0	10	100	70-130
n-Propylbenzene	10	0.0	10	100	70-130
2-Chlorotoluene	10	0.0	10	100	70-130
1,3,5-Trimethylbenzene	10	0.0	9	90	70-130
4-Chlorotoluene	10	0.0	10	100	70-130
tert-Butylbenzene	10	0.0	10	100	70-130
1,2,4-Trimethylbenzene	10	0.0	10	100	70-130
sec-Butylbenzene	10	0.0	10	100	70-130
1,3-Dichlorobenzene	10	0.0	9	90	70-130
4-Isopropyltoluene	10	0.0	9	90	70-130
1,4-Dichlorobenzene	10	0.0	8	80	70-130
n-Butylbenzene	10	0.0	10	100	70-130
1,2-Dichlorobenzene	10	0.0	9	90	70-130
1,2-Dibromo-3-chloropro	10	0.0	11	110	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3A  
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	10	0.0	9	90	70-130
Hexachlorobutadiene	10	0.0	9	90	70-130
Naphthalene	10	0.0	9	90	70-130
1,2,3-Trichlorobenzene	10	0.0	9	90	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

3A  
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	10	7	70	15	20	70-130
Chloromethane	10	7	70	15	20	70-130
Vinyl Chloride	10	8	80	13	20	70-130
Bromomethane	10	7	70	0	20	70-130
Chloroethane	10	8	80	13	20	70-130
Trichlorofluoromethane	10	8	80	13	20	70-130
1,1-Dichloroethene	10	8	80	13	20	70-130
Methylene Chloride	10	7	70	0	20	70-130
trans-1,2-Dichloroethen	10	8	80	0	20	70-130
Methyl tert-butyl ether	10	9	90	0	20	70-130
1,1-Dichloroethane	10	9	90	0	20	70-130
cis-1,2-Dichloroethene	10	9	90	12	20	70-130
2,2-Dichloropropane	10	8	80	0	20	70-130
1,2-Dichloroethane	10	9	90	12	20	70-130
Bromochloromethane	10	8	80	0	20	70-130
Chloroform	10	8	80	0	20	70-130
Carbon Tetrachloride	10	8	80	0	20	70-130
1,1,1-Trichloroethane	10	9	90	0	20	70-130
1,1-Dichloropropene	10	10	100	0	20	70-130
Trichloroethene	10	44	90	0	20	70-130
1,2-Dichloropropane	10	10	100	10	20	70-130
Benzene	10	9	90	0	20	70-130
Dibromomethane	10	9	90	12	20	70-130
Bromodichloromethane	10	9	90	0	20	70-130
cis-1,3-Dichloropropene	10	9	90	0	20	70-130
Toluene	10	9	90	0	20	70-130
trans-1,3-Dichloroprope	10	9	90	0	20	70-130
1,1,2-Trichloroethane	10	8	80	12	20	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

## WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Tetrachloroethene	10	8	80	0	20	70-130
1,3-Dichloropropane	10	9	90	0	20	70-130
Dibromochloromethane	10	8	80	0	20	70-130
1,2-Dibromoethane	10	8	80	0	20	70-130
Chlorobenzene	10	8	80	0	20	70-130
1,1,1,2-Tetrachloroetha	10	8	80	0	20	70-130
Ethylbenzene	10	9	90	0	20	70-130
m,p-Xylene	20	17	85	6	20	70-130
o-Xylene	10	8	80	0	20	70-130
Styrene	10	8	80	0	20	70-130
Bromoform	10	8	80	0	20	70-130
Isopropylbenzene	10	9	90	0	20	70-130
1,1,2,2-Tetrachloroetha	10	10	100	0	20	70-130
Bromobenzene	10	9	90	0	20	70-130
1,2,3-Trichloropropane	10	10	100	0	20	70-130
n-Propylbenzene	10	10	100	0	20	70-130
2-Chlorotoluene	10	10	100	0	20	70-130
1,3,5-Trimethylbenzene	10	9	90	0	20	70-130
4-Chlorotoluene	10	9	90	10	20	70-130
tert-Butylbenzene	10	10	100	0	20	70-130
1,2,4-Trimethylbenzene	10	9	90	10	20	70-130
sec-Butylbenzene	10	10	100	0	20	70-130
1,3-Dichlorobenzene	10	9	90	0	20	70-130
4-Isopropyltoluene	10	9	90	0	20	70-130
1,4-Dichlorobenzene	10	8	80	0	20	70-130
n-Butylbenzene	10	10	100	0	20	70-130
1,2-Dichlorobenzene	10	8	80	12	20	70-130
1,2-Dibromo-3-chloropro	10	10	100	10	20	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3A  
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM    Case No.:                      SAS No.:                      SDG No.: 71643  
 Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	10	9	90	0	20	70-130
Hexachlorobutadiene	10	9	90	0	20	70-130
Naphthalene	10	9	90	0	20	70-130
1,2,3-Trichlorobenzene	10	8	80	12	20	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 60 outside limits

Spike Recovery: 2 out of 120 outside limits

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Phenol	75	0.0	57	76	12-110
2-Chlorophenol	75	0.0	57	76	27-123
N-Nitroso-di-n-prop. (1)	50	0.0	37	74	41-116
4-Chloro-3-Methylphenol	75	0.0	59	79	23- 97
Acenaphthene	50	0.0	40	80	46-118
4-Nitrophenol	75	0.0	61	81*	10- 80
2,4-Dinitrotoluene	50	0.0	41	82	24- 96
Pentachlorophenol	75	0.0	66	88	9-103
Pyrene	50	0.0	44	88	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	75	56	75	1	42	12-110
2-Chlorophenol	75	57	76	0	40	27-123
N-Nitroso-di-n-prop. (1)	50	35	70	6	38	41-116
4-Chloro-3-Methylphenol	75	58	77	3	42	23- 97
Acenaphthene	50	40	80	0	31	46-118
4-Nitrophenol	75	62	83*	2	50	10- 80
2,4-Dinitrotoluene	50	41	82	0	38	24- 96
Pentachlorophenol	75	62	83	6	50	9-103
Pyrene	50	43	86	2	31	26-127

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 0 out of 9 outside limits  
 Spike Recovery: 2 out of 18 outside limits

COMMENTS: \_\_\_\_\_

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2K
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Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Lab File ID: V2D4793

Lab Sample ID: V2B1017A

Date Analyzed: 10/17/00

Time Analyzed: 1226

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	250WS-IF	71643001	V2D4803	1804
02	250WS-CF	71643002	V2D4804	1834
03	250WF-EF	71643003	V2D4805	1905
04	240WF-IF	71643004	V2D4806	1935
05	240WS-CF	71643005	V2D4807	2005
06	240WS-EF	71643006	V2D4808	2035
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COMMENTS:

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4793

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4793

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4-----	Ethylbenzene	0.5	U
136777-61-2-----	m,p-Xylene	0.5	U
95-47-6-----	o-Xylene	0.5	U
100-42-5-----	Styrene	0.5	U
75-25-2-----	Bromoform	0.5	U
98-82-8-----	Isopropylbenzene	0.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----	Bromobenzene	0.5	U
96-18-4-----	1,2,3-Trichloropropane	0.5	U
103-65-1-----	n-Propylbenzene	0.5	U
95-49-8-----	2-Chlorotoluene	0.5	U
108-67-8-----	1,3,5-Trimethylbenzene	0.5	U
106-43-4-----	4-Chlorotoluene	0.5	U
98-06-6-----	tert-Butylbenzene	0.5	U
95-63-6-----	1,2,4-Trimethylbenzene	0.5	U
135-98-8-----	sec-Butylbenzene	0.5	U
541-73-1-----	1,3-Dichlorobenzene	0.5	U
99-87-6-----	4-Isopropyltoluene	0.5	U
106-46-7-----	1,4-Dichlorobenzene	0.5	U
104-51-8-----	n-Butylbenzene	0.5	U
95-50-1-----	1,2-Dichlorobenzene	0.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1-----	1,2,4-Trichlorobenzene	0.5	U
87-68-3-----	Hexachlorobutadiene	0.5	U
91-20-3-----	Naphthalene	0.5	U
87-61-6-----	1,2,3-Trichlorobenzene	0.5	U

1E  
**VOLATILE ORGANICS ANALYSIS DATA SHEET**  
**TENTATIVELY IDENTIFIED COMPOUNDS**

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4793

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM    Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID: V2D4812                                      Lab Sample ID: V2B1017B  
 Date Analyzed: 10/17/00                                      Time Analyzed: 2244  
 GC Column: DB-624    ID: 0.25 (mm)                      Heated Purge: (Y/N) N  
 Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	246WS-IF	71643008	V2D4816	0055
02	246WS-CF	71643009	V2D4817	0128
03	246WS-EF	71643010	V2D4818	0201
04	247WS-EF	71643016	V2D4819	0235
05	TB-01	71643017	V2D4820	0307
06				
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COMMENTS:

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017B

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4812

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017B

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4812

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017B

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4812

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM    Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID: V2D4832                                      Lab Sample ID: V2B1018A  
 Date Analyzed: 10/18/00                                      Time Analyzed: 1026  
 GC Column: DB-624    ID: 0.25 (mm)                      Heated Purge: (Y/N) N  
 Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK2MLCS	V2L1018A	V2D4833	1141
02	420WS-EF	71643007	V2D4834	1219
03	005SR-CF	71643012	V2D4836	1325
04	247WS-IF	71643014	V2D4838	1358
05	247WS-CF	71643015	V2D4839	1431
06	005SR-IF	71643011	V2D4840	1504
07	005SR-EF	71643013	V2D4841	1537
08	005SR-IFMS	71643018	V2D4842	1610
09	005SR-IFMSD	71643019	V2D4843	1642
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COMMENTS:

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION                      Contract: \_\_\_\_\_  
 Lab Code: MITKEM      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: 71643

Matrix: (soil/water) WATER                      Lab Sample ID: V2B1018A

Sample wt/vol:              25.00 (g/mL) ML                      Lab File ID:    V2D4832

Level:    (low/med)    LOW                      Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_                      Date Analyzed: 10/18/00

GC Column: DB-624      ID: 0.25 (mm)                      Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)                      Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4832

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4832

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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4B  
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK3D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Lab File ID: S3A5986 Lab Sample ID: S1014-BW2

Instrument ID: S3 Date Extracted: 10/14/00

Matrix: (soil/water) WATER Date Analyzed: 10/23/00

Level: (low/med) LOW Time Analyzed: 1253

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	246WS-IF	71643008	S3A6007	10/24/00
02	246WS-CF	71643009	S3A6008	10/24/00
03	246WS-EF	71643010	S3A6009	10/24/00
04	005SR-IF	71643011	S3A6015	10/24/00
05	005SR-IFMS	71643018	S3A6016	10/24/00
06	005SR-IFMSD	71643019	S3A6017	10/24/00
07	247WS-EF	71643016	S3A6041	10/25/00
08	247WS-CF	71643015	S3A6042	10/25/00
09	005SR-EF	71643013	S3A6043	10/25/00
10	247WS-IF	71643014	S3A6044	10/25/00
11	005SR-CF	71643012	S3A6045	10/25/00
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COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

4B  
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK3V

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643

Lab File ID: S3A5918 Lab Sample ID: S1013-BW1

Instrument ID: S3 Date Extracted: 10/13/00

Matrix: (soil/water) WATER Date Analyzed: 10/17/00

Level: (low/med) LOW Time Analyzed: 1149

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	240WS-IF	71643004	S3A5889	10/15/00
02	240WS-CF	71643005	S3A5890	10/15/00
03	250WS-IF	71643001	S3A5891	10/16/00
04	250WS-CF	71643002	S3A5892	10/16/00
05	240WS-EF	71643006	S3A5893	10/16/00
06	250WS-EF	71643003	S3A5919	10/17/00
07	420WS-EF	71643007	S3A5920	10/17/00
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COMMENTS: \_\_\_\_\_







8B  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643  
 EPA Sample No. (SSTD050##): SSTD0503U Date Analyzed: 10/15/00  
 Lab File ID (Standard): S3A5883 Time Analyzed: 1744  
 Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	237774	10.59	946128	13.50	570614	17.12
UPPER LIMIT	475548	11.09	1892256	14.00	1141228	17.62
LOWER LIMIT	118887	10.09	473064	13.00	285307	16.62
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 240WS-IF	197037	10.58	735202	13.49	427926	17.12
02 240WS-CF	178267	10.58	678058	13.50	403205	17.12
03 250WS-IF	199821	10.58	764600	13.49	437678	17.12
04 250WS-CF	171846	10.58	659031	13.49	388135	17.12
05 240WS-EF	191941	10.58	730185	13.49	428382	17.12
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IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8C  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643  
 EPA Sample No. (SSTD050##): SSTD0503U Date Analyzed: 10/15/00  
 Lab File ID (Standard): S3A5883 Time Analyzed: 1744  
 Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	868441	20.10	755979	25.42	685248	28.06
UPPER LIMIT	1736882	20.60	1511958	25.92	1370496	28.56
LOWER LIMIT	434221	19.60	377990	24.92	342624	27.56
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 240WS-IF	673155	20.10	569391	25.41	544767	28.05
02 240WS-CF	634303	20.10	536262	25.41	504237	28.05
03 250WS-IF	704662	20.10	605716	25.41	556794	28.05
04 250WS-CF	638686	20.10	593302	25.40	560779	28.05
05 240WS-EF	682476	20.10	578829	25.41	541842	28.05
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IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8B  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 71643

EPA Sample No. (SSTD050##): SSTD0503X

Date Analyzed: 10/17/00

Lab File ID (Standard): S3A5916

Time Analyzed: 1021

Instrument ID: S3

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	286805	10.48	1120042	13.41	665037	17.04
UPPER LIMIT	573610	10.98	2240084	13.91	1330074	17.54
LOWER LIMIT	143403	9.98	560021	12.91	332519	16.54
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLK3V	211989	10.48	796411	13.41	464575	17.03
02 250WS-EF	221239	10.48	829475	13.41	476335	17.03
03 420WS-EF	222133	10.48	831860	13.41	479959	17.03
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IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits

8C  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643  
 EPA Sample No. (SSTD050##): SSTD0503X Date Analyzed: 10/17/00  
 Lab File ID (Standard): S3A5916 Time Analyzed: 1021  
 Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1056364	20.01	970501	25.32	889014	27.96
UPPER LIMIT	2112728	20.51	1941002	25.82	1778028	28.46
LOWER LIMIT	528182	19.51	485251	24.82	444507	27.46
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 SBLK3V	738038	20.00	668956	25.31	642870	27.95
02 250WS-EF	752304	20.00	665144	25.31	628881	27.95
03 420WS-EF	771348	20.00	678716	25.31	626463	27.95
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IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8B  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643  
 EPA Sample No. (SSTD050##): SSTD0503D Date Analyzed: 10/23/00  
 Lab File ID (Standard): S3A5983 Time Analyzed: 1059  
 Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	371549	13.84	1399517	16.57	784164	20.24
UPPER LIMIT	743098	14.34	2799034	17.07	1568328	20.74
LOWER LIMIT	185775	13.34	699759	16.07	392082	19.74
EPA SAMPLE NO.						
01 SBLK3D	259341	13.84	984725	16.56	553913	20.24
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IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8C  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 71643

EPA Sample No. (SSTD050##): SSTD0503D

Date Analyzed: 10/23/00

Lab File ID (Standard): S3A5983

Time Analyzed: 1059

Instrument ID: S3

GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1248072	23.34	979194	28.82	845930	32.33
UPPER LIMIT	2496144	23.84	1958388	29.32	1691860	32.83
LOWER LIMIT	624036	22.84	489597	28.32	422965	31.83
EPA SAMPLE NO.						
01 SBLK3D	891447	23.33	729465	28.81	672041	32.31
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IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8B  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 71643

EPA Sample No. (SSTD050##): SSTD0503F

Date Analyzed: 10/24/00

Lab File ID (Standard): S3A6005

Time Analyzed: 0913

Instrument ID: S3

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	282945	13.81	1089889	16.54	618748	20.21
UPPER LIMIT	565890	14.31	2179778	17.04	1237496	20.71
LOWER LIMIT	141473	13.31	544945	16.04	309374	19.71
EPA SAMPLE NO.						
01 246WS-IF	193123	13.82	736301	16.53	415034	20.22
02 246WS-CF	185009	13.81	685537	16.54	393458	20.21
03 246WS-EF	197010	13.81	758782	16.54	459708	20.21
04 005SR-IF	191026	13.82	719260	16.54	406572	20.21
05 005SR-IFMS	196579	13.81	744846	16.54	420171	20.21
06 005SR-IFMSD	207609	13.81	784545	16.54	447824	20.21
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IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits

8C  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 71643

EPA Sample No. (SSTD050##): SSTD0503F

Date Analyzed: 10/24/00

Lab File ID (Standard): S3A6005

Time Analyzed: 0913

Instrument ID: S3

GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	1010037	23.31	858467	28.79	756140	32.27
UPPER LIMIT	2020074	23.81	1716934	29.29	1512280	32.77
LOWER LIMIT	505019	22.81	429234	28.29	378070	31.77
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 246WS-IF	691446	23.30	587065	28.78	537998	32.27
02 246WS-CF	647997	23.30	547325	28.79	496834	32.27
03 246WS-BF	760936	23.31	655494	28.78	591439	32.27
04 005SR-IF	661899	23.30	557613	28.79	520282	32.27
05 005SR-IFMS	680818	23.30	574950	28.79	519195	32.27
06 005SR-IFMSD	751642	23.30	628367	28.79	576289	32.26
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IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

158

8B  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 71643  
 EPA Sample No. (SSTD050##): SSTD0503J Date Analyzed: 10/25/00  
 Lab File ID (Standard): S3A6039 Time Analyzed: 1405  
 Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	213855	13.74	784102	16.47	431749	20.14
UPPER LIMIT	427710	14.24	1568204	16.97	863498	20.64
LOWER LIMIT	106928	13.24	392051	15.97	215875	19.64
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 247WS-EF	236746	13.73	886541	16.46	494292	20.13
02 247WS-CF	193411	13.73	714618	16.46	390989	20.13
03 005SR-EF	285141	13.73	1069649	16.46	601520	20.13
04 247WS-IF	265057	13.73	995034	16.46	551983	20.13
05 005SR-CF	323961	13.73	1211397	16.46	678909	20.13
06						
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IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8C  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 71643

EPA Sample No. (SSTD050##): SSTD0503J

Date Analyzed: 10/25/00

Lab File ID (Standard): S3A6039

Time Analyzed: 1405

Instrument ID: S3

GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	680593	23.22	543990	28.70	473991	32.13
UPPER LIMIT	1361186	23.72	1087980	29.20	947982	32.63
LOWER LIMIT	340297	22.72	271995	28.20	236996	31.63
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 247WS-BF	793938	23.22	653000	28.69	575705	32.12
02 247WS-CF	623380	23.22	514273	28.70	471902	32.13
03 005SR-BF	974955	23.22	785575	28.70	715517	32.13
04 247WS-IF	896779	23.22	732818	28.69	653776	32.12
05 005SR-CF	1096774	23.22	880123	28.70	807242	32.12
06						
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IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

MITKEM  
CORPORATION

\* Volatile Organics \*

2A  
 WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

	EPA SAMPLE NO.	SMC1 (BFB) #	SMC2 (DCB) #	SMC3 #	OTHER	TOT OUT
01	VBLK2K	102	102			0
02	250WS-IF	98	102			0
03	250WS-CF	96	100			0
04	250WF-EF	97	100			0
05	240WF-IF	97	102			0
06	240WS-CF	95	100			0
07	240WS-EF	95	98			0
08	VBLK2L	98	102			0
09	246WS-IF	97	102			0
10	246WS-CF	99	101			0
11	246WS-EF	98	99			0
12	247WS-EF	97	103			0
13	TB-01	96	102			0
14	VBLK2M	93	101			0
15	VBLK2MLCS	82	101			0
16	420WS-EF	98	102			0
17	005SR-CF	99	102			0
18	247WS-IF	100	105			0
19	247WS-CF	99	104			0
20	005SR-IF	95	102			0
21	005SR-EF	98	102			0
22	005SR-IFMS	84	92			0
23	005SR-IFMSD	83	85			0
24						
25						
26						
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QC LIMITS

SMC1 (BFB) = Bromofluorobenzene (80-120)

SMC2 (DCB) = 1,2-Dichlorobenzene-d4 (80-120)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

## WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10	0.0	6	60*	70-130
Chloromethane	10	0.0	6	60*	70-130
Vinyl Chloride	10	0.0	7	70	70-130
Bromomethane	10	0.0	7	70	70-130
Chloroethane	10	0.0	7	70	70-130
Trichlorofluoromethane	10	0.0	7	70	70-130
1,1-Dichloroethene	10	0.0	7	70	70-130
Methylene Chloride	10	0.0	7	70	70-130
trans-1,2-Dichloroethen	10	0.0	8	80	70-130
Methyl tert-butyl ether	10	0.0	9	90	70-130
1,1-Dichloroethane	10	0.0	9	90	70-130
cis-1,2-Dichloroethene	10	0.0	8	80	70-130
2,2-Dichloropropane	10	0.0	8	80	70-130
1,2-Dichloroethane	10	0.0	8	80	70-130
Bromochloromethane	10	0.0	8	80	70-130
Chloroform	10	0.0	8	80	70-130
Carbon Tetrachloride	10	0.0	8	80	70-130
1,1,1-Trichloroethane	10	0.0	9	90	70-130
1,1-Dichloropropene	10	0.0	10	100	70-130
Trichloroethene	10	35	44	90	70-130
1,2-Dichloropropane	10	0.0	9	90	70-130
Benzene	10	0.0	9	90	70-130
Dibromomethane	10	0.0	8	80	70-130
Bromodichloromethane	10	0.0	9	90	70-130
cis-1,3-Dichloropropene	10	0.0	9	90	70-130
Toluene	10	0.0	9	90	70-130
trans-1,3-Dichloroprope	10	0.0	9	90	70-130
1,1,2-Trichloroethane	10	0.0	9	90	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

3A  
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
Tetrachloroethene	10	0.0	8	80	70-130
1,3-Dichloropropane	10	0.0	9	90	70-130
Dibromochloromethane	10	0.0	8	80	70-130
1,2-Dibromoethane	10	0.0	8	80	70-130
Chlorobenzene	10	0.0	8	80	70-130
1,1,1,2-Tetrachloroetha	10	0.0	8	80	70-130
Ethylbenzene	10	0.0	9	90	70-130
m,p-Xylene	20	0.0	16	80	70-130
o-Xylene	10	0.0	8	80	70-130
Styrene	10	0.0	8	80	70-130
Bromoform	10	0.0	8	80	70-130
Isopropylbenzene	10	0.0	9	90	70-130
1,1,2,2-Tetrachloroetha	10	0.0	10	100	70-130
Bromobenzene	10	0.0	9	90	70-130
1,2,3-Trichloropropane	10	0.0	10	100	70-130
n-Propylbenzene	10	0.0	10	100	70-130
2-Chlorotoluene	10	0.0	10	100	70-130
1,3,5-Trimethylbenzene	10	0.0	9	90	70-130
4-Chlorotoluene	10	0.0	10	100	70-130
tert-Butylbenzene	10	0.0	10	100	70-130
1,2,4-Trimethylbenzene	10	0.0	10	100	70-130
sec-Butylbenzene	10	0.0	10	100	70-130
1,3-Dichlorobenzene	10	0.0	9	90	70-130
4-Isopropyltoluene	10	0.0	9	90	70-130
1,4-Dichlorobenzene	10	0.0	8	80	70-130
n-Butylbenzene	10	0.0	10	100	70-130
1,2-Dichlorobenzene	10	0.0	9	90	70-130
1,2-Dibromo-3-chloropro	10	0.0	11	110	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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3A  
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	10	0.0	9	90	70-130
Hexachlorobutadiene	10	0.0	9	90	70-130
Naphthalene	10	0.0	9	90	70-130
1,2,3-Trichlorobenzene	10	0.0	9	90	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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3A  
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	10	7	70	15	20	70-130
Chloromethane	10	7	70	15	20	70-130
Vinyl Chloride	10	8	80	13	20	70-130
Bromomethane	10	7	70	0	20	70-130
Chloroethane	10	8	80	13	20	70-130
Trichlorofluoromethane	10	8	80	13	20	70-130
1,1-Dichloroethene	10	8	80	13	20	70-130
Methylene Chloride	10	7	70	0	20	70-130
trans-1,2-Dichloroethen	10	8	80	0	20	70-130
Methyl tert-butyl ether	10	9	90	0	20	70-130
1,1-Dichloroethane	10	9	90	0	20	70-130
cis-1,2-Dichloroethene	10	9	90	12	20	70-130
2,2-Dichloropropane	10	8	80	0	20	70-130
1,2-Dichloroethane	10	9	90	12	20	70-130
Bromochloromethane	10	8	80	0	20	70-130
Chloroform	10	8	80	0	20	70-130
Carbon Tetrachloride	10	8	80	0	20	70-130
1,1,1-Trichloroethane	10	9	90	0	20	70-130
1,1-Dichloropropene	10	10	100	0	20	70-130
Trichloroethene	10	44	90	0	20	70-130
1,2-Dichloropropane	10	10	100	10	20	70-130
Benzene	10	9	90	0	20	70-130
Dibromomethane	10	9	90	12	20	70-130
Bromodichloromethane	10	9	90	0	20	70-130
cis-1,3-Dichloropropene	10	9	90	0	20	70-130
Toluene	10	9	90	0	20	70-130
trans-1,3-Dichloroprope	10	9	90	0	20	70-130
1,1,2-Trichloroethane	10	8	80	12	20	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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3A  
WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Tetrachloroethene	10	8	80	0	20	70-130
1,3-Dichloropropane	10	9	90	0	20	70-130
Dibromochloromethane	10	8	80	0	20	70-130
1,2-Dibromoethane	10	8	80	0	20	70-130
Chlorobenzene	10	8	80	0	20	70-130
1,1,1,2-Tetrachloroetha	10	8	80	0	20	70-130
Ethylbenzene	10	9	90	0	20	70-130
m,p-Xylene	20	17	85	6	20	70-130
o-Xylene	10	8	80	0	20	70-130
Styrene	10	8	80	0	20	70-130
Bromoform	10	8	80	0	20	70-130
Isopropylbenzene	10	9	90	0	20	70-130
1,1,2,2-Tetrachloroetha	10	10	100	0	20	70-130
Bromobenzene	10	9	90	0	20	70-130
1,2,3-Trichloropropane	10	10	100	0	20	70-130
n-Propylbenzene	10	10	100	0	20	70-130
2-Chlorotoluene	10	10	100	0	20	70-130
1,3,5-Trimethylbenzene	10	9	90	0	20	70-130
4-Chlorotoluene	10	9	90	10	20	70-130
tert-Butylbenzene	10	10	100	0	20	70-130
1,2,4-Trimethylbenzene	10	9	90	10	20	70-130
sec-Butylbenzene	10	10	100	0	20	70-130
1,3-Dichlorobenzene	10	9	90	0	20	70-130
4-Isopropyltoluene	10	9	90	0	20	70-130
1,4-Dichlorobenzene	10	8	80	0	20	70-130
n-Butylbenzene	10	10	100	0	20	70-130
1,2-Dichlorobenzene	10	8	80	12	20	70-130
1,2-Dibromo-3-chloropro	10	10	100	10	20	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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3A  
 WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - EPA Sample No.: 005SR-IF

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,2,4-Trichlorobenzene	10	9	90	0	20	70-130
Hexachlorobutadiene	10	9	90	0	20	70-130
Naphthalene	10	9	90	0	20	70-130
1,2,3-Trichlorobenzene	10	8	80	12	20	70-130

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 60 outside limits

Spike Recovery: 2 out of 120 outside limits

COMMENTS:

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FORM 3  
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	2	0.0	2	100	80-120
Chloromethane	2	0.0	2	100	80-120
Vinyl Chloride	2	0.0	2	100	80-120
Bromomethane	2	0.0	2	100	80-120
Chloroethane	2	0.0	2	100	80-120
Trichlorofluoromethane	2	0.0	2	100	80-120
1,1-Dichloroethene	2	0.0	2	100	80-120
Methylene Chloride	2	0.0	2	100	80-120
trans-1,2-Dichloroethen	2	0.0	2	100	80-120
Methyl tert-butyl ether	2	0.0	2	100	80-120
1,1-Dichloroethane	2	0.0	2	100	80-120
cis-1,2-Dichloroethene	2	0.0	2	100	80-120
2,2-Dichloropropane	2	0.0	2	100	80-120
1,2-Dichloroethane	2	0.0	2	100	80-120
Bromochloromethane	2	0.0	2	100	80-120
Chloroform	2	0.0	2	100	80-120
Carbon Tetrachloride	2	0.0	2	100	80-120
1,1,1-Trichloroethane	2	0.0	2	100	80-120
1,1-Dichloropropene	2	0.0	2	100	80-120
Trichloroethene	2	0.0	2	100	80-120
1,2-Dichloropropane	2	0.0	2	100	80-120
Benzene	2	0.0	2	100	80-120
Dibromomethane	2	0.0	2	100	80-120
Bromodichloromethane	2	0.0	2	100	80-120
cis-1,3-Dichloropropene	2	0.0	2	100	80-120
Toluene	2	0.0	2	100	80-120
trans-1,3-Dichloroprope	2	0.0	2	100	80-120
1,1,2-Trichloroethane	2	0.0	2	100	80-120

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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FORM 3  
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Tetrachloroethene	2	0.0	2	100	80-120
1,3-Dichloropropane	2	0.0	2	100	80-120
Dibromochloromethane	2	0.0	2	100	80-120
1,2-Dibromoethane	2	0.0	2	100	80-120
Chlorobenzene	2	0.0	2	100	80-120
1,1,1,2-Tetrachloroetha	2	0.0	2	100	80-120
Ethylbenzene	2	0.0	2	100	80-120
m,p-Xylene	4	0.0	3	75*	80-120
o-Xylene	2	0.0	2	100	80-120
Styrene	2	0.0	2	100	80-120
Bromoform	2	0.0	1	50*	80-120
Isopropylbenzene	2	0.0	2	100	80-120
1,1,2,2-Tetrachloroetha	2	0.0	2	100	80-120
Bromobenzene	2	0.0	2	100	80-120
1,2,3-Trichloropropane	2	0.0	2	100	80-120
n-Propylbenzene	2	0.0	2	100	80-120
2-Chlorotoluene	2	0.0	2	100	80-120
1,3,5-Trimethylbenzene	2	0.0	2	100	80-120
4-Chlorotoluene	2	0.0	2	100	80-120
tert-Butylbenzene	2	0.0	2	100	80-120
1,2,4-Trimethylbenzene	2	0.0	2	100	80-120
sec-Butylbenzene	2	0.0	2	100	80-120
1,3-Dichlorobenzene	2	0.0	2	100	80-120
4-Isopropyltoluene	2	0.0	2	100	80-120
1,4-Dichlorobenzene	2	0.0	2	100	80-120
n-Butylbenzene	2	0.0	2	100	80-120
1,2-Dichlorobenzene	2	0.0	2	100	80-120
1,2-Dibromo-3-chloropro	2	0.0	2	100	80-120

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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FORM 3  
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trichlorobenzene	2	0.0	2	100	80-120
Hexachlorobutadiene	2	0.0	2	100	80-120
Naphthalene	2	0.0	2	100	80-120
1,2,3-Trichlorobenzene	2	0.0	2	100	80-120

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 2 out of 60 outside limits

COMMENTS:

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4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Lab File ID: V2D4793

Lab Sample ID: V2B1017A

Date Analyzed: 10/17/00

Time Analyzed: 1226

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	250WS-IF	71643001	V2D4803	1804
02	250WS-CF	71643002	V2D4804	1834
03	250WF-EF	71643003	V2D4805	1905
04	240WF-IF	71643004	V2D4806	1935
05	240WS-CF	71643005	V2D4807	2005
06	240WS-EF	71643006	V2D4808	2035
07				
08				
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COMMENTS:

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4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Lab File ID: V2D4812

Lab Sample ID: V2B1017B

Date Analyzed: 10/17/00

Time Analyzed: 2244

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	246WS-IF	71643008	V2D4816	0055
02	246WS-CF	71643009	V2D4817	0128
03	246WS-EF	71643010	V2D4818	0201
04	247WS-EF	71643016	V2D4819	0235
05	TB-01	71643017	V2D4820	0307
06				
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COMMENTS:

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4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Lab File ID: V2D4832

Lab Sample ID: V2B1018A

Date Analyzed: 10/18/00

Time Analyzed: 1026

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

Instrument ID: V2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK2MLCS	V2L1018A	V2D4833	1141
02	420WS-EF	71643007	V2D4834	1219
03	005SR-CF	71643012	V2D4836	1325
04	247WS-IF	71643014	V2D4838	1358
05	247WS-CF	71643015	V2D4839	1431
06	005SR-IF	71643011	V2D4840	1504
07	005SR-EF	71643013	V2D4841	1537
08	005SR-IFMS	71643018	V2D4842	1610
09	005SR-IFMSD	71643019	V2D4843	1642
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COMMENTS:

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5A  
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION                              Contract:  
Lab Code: MITKEM      Case No.:                              SAS No.:                              SDG No.: 71643  
Lab File ID: V2D4780                                              BFB Injection Date: 10/16/00  
Instrument ID: V2                                                      BFB Injection Time: 1434  
GC Column: DB-624      ID: 0.25 (mm)                              Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 80.0% of mass 95	43.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	84.9
175	5.0 - 9.0% of mass 174	6.8 ( 8.0)1
176	95.0 - 101.0% of mass 174	83.0 ( 97.7)1
177	5.0 - 9.0% of mass 176	6.0 ( 7.2)2

1-Value is % mass 174                                              2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0102J	V2S1016B	V2D4781	10/16/00	1517
02	VSTD0.52J	V2S1016C	V2D4782	10/16/00	1548
03	VSTD0402J	V2S1016D	V2D4783	10/16/00	1618
04	VSTD0202J	V2S1016E	V2D4784	10/16/00	1648
05	VSTD0042J	V2S1016F	V2D4785	10/16/00	1718
06					
07					
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21					
22					

5A  
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID: V2D4790                                      BFB Injection Date: 10/17/00  
 Instrument ID: V2                                              BFB Injection Time: 0845  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.1
75	30.0 - 80.0% of mass 95	43.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 ( 0.5)1
174	50.0 - 100.0% of mass 95	91.9
175	5.0 - 9.0% of mass 174	6.7 ( 7.3)1
176	95.0 - 101.0% of mass 174	91.1 ( 99.2)1
177	5.0 - 9.0% of mass 176	6.3 ( 6.9)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0102K	V2S1017A	V2D4792	10/17/00	1101
02	VBLK2K	V2B1017A	V2D4793	10/17/00	1226
03	250WS-IF	71643001	V2D4803	10/17/00	1804
04	250WS-CF	71643002	V2D4804	10/17/00	1834
05	250WF-EF	71643003	V2D4805	10/17/00	1905
06	240WF-IF	71643004	V2D4806	10/17/00	1935
07	240WS-CF	71643005	V2D4807	10/17/00	2005
08	240WS-EF	71643006	V2D4808	10/17/00	2035
09					
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12					
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15					
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18					
19					
20					
21					
22					

5A  
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID: V2D4809                                      BFB Injection Date: 10/17/00  
 Instrument ID: V2                                              BFB Injection Time: 2105  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	30.1
75	30.0 - 80.0% of mass 95	46.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.1
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 100.0% of mass 95	67.8
175	5.0 - 9.0% of mass 174	5.6 ( 8.2)1
176	95.0 - 101.0% of mass 174	66.4 ( 98.0)1
177	5.0 - 9.0% of mass 176	5.3 ( 8.0)2

1-Value is % mass 174                                      2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0102L	V2S1017B	V2D4811	10/17/00	2211
02	VBLK2L	V2B1017B	V2D4812	10/17/00	2244
03	246WS-IF	71643008	V2D4816	10/18/00	0055
04	246WS-CF	71643009	V2D4817	10/18/00	0128
05	246WS-EF	71643010	V2D4818	10/18/00	0201
06	247WS-EF	71643016	V2D4819	10/18/00	0235
07	TB-01	71643017	V2D4820	10/18/00	0307
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15					
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17					
18					
19					
20					
21					
22					

5A  
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID: V2D4830                                      BFB Injection Date: 10/18/00  
 Instrument ID: V2                                              BFB Injection Time: 0923  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	26.3
75	30.0 - 80.0% of mass 95	44.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 ( 0.3)1
174	50.0 - 100.0% of mass 95	88.6
175	5.0 - 9.0% of mass 174	6.5 ( 7.3)1
176	95.0 - 101.0% of mass 174	88.4 ( 99.8)1
177	5.0 - 9.0% of mass 176	6.0 ( 6.8)2

1-Value is % mass 174                                      2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0102M	V2S1018A	V2D4831	10/18/00	0940
02	VBLK2M	V2B1018A	V2D4832	10/18/00	1026
03	VBLK2MLCS	V2L1018A	V2D4833	10/18/00	1141
04	420WS-EF	71643007	V2D4834	10/18/00	1219
05	005SR-CF	71643012	V2D4836	10/18/00	1325
06	247WS-IF	71643014	V2D4838	10/18/00	1358
07	247WS-CF	71643015	V2D4839	10/18/00	1431
08	005SR-IF	71643011	V2D4840	10/18/00	1504
09	005SR-EF	71643013	V2D4841	10/18/00	1537
10	005SR-IFMS	71643018	V2D4842	10/18/00	1610
11	005SR-IFMSD	71643019	V2D4843	10/18/00	1642
12					
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21					
22					

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID (Standard): V2D4792                      Date Analyzed: 10/17/00  
 Instrument ID: V2                                              Time Analyzed: 1101  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (DCB) AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	288911	6.52	85692	13.10		
UPPER LIMIT	577822	7.02	171384	13.60		
LOWER LIMIT	144456	6.02	42846	12.60		
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2K	317085	6.52	90727	13.10		
02 25WS-IF	326851	6.57	91934	13.14		
03 25WS-CF	327762	6.57	90522	13.15		
04 25WF-EF	325775	6.58	89359	13.15		
05 24WF-IF	326450	6.58	88979	13.15		
06 24WS-CF	330526	6.59	89912	13.16		
07 24WS-EF	324885	6.60	90555	13.16		
08						
09						
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22						

IS1 = Fluorobenzene  
 IS2 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Lab File ID (Standard): V2D4811

Date Analyzed: 10/17/00

Instrument ID: V2

Time Analyzed: 2211

GC Column: DB-624 ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (DCB) AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	324394	6.60	90836	13.17		
UPPER LIMIT	648788	7.10	181672	13.67		
LOWER LIMIT	162197	6.10	45418	12.67		
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2L	329094	6.61	93641	13.17		
02 246WS-IF	325196	6.61	93571	13.17		
03 246WS-CF	320292	6.61	93935	13.17		
04 246WS-EF	327439	6.61	95188	13.18		
05 247WS-EF	326267	6.61	95143	13.18		
06 TB-01	322631	6.61	93695	13.19		
07						
08						
09						
10						
11						
12						
13						
14						
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17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene  
IS2 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Lab File ID (Standard): V2D4831                      Date Analyzed: 10/18/00  
 Instrument ID: V2                                              Time Analyzed: 0940  
 GC Column: DB-624      ID: 0.25 (mm)                      Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 (DCB) AREA #	RT #	AREA #	RT #
12 HOUR STD	318711	6.61	90477	13.18		
UPPER LIMIT	637422	7.11	180954	13.68		
LOWER LIMIT	159356	6.11	45239	12.68		
EPA SAMPLE NO.						
01 VBLK2M	334296	6.62	96707	13.18		
02 VBLK2MLCS	481837	6.61	143162	13.18		
03 420WS-EF	317779	6.61	95776	13.18		
04 005SR-CF	316659	6.62	98946	13.19		
05 247WS-IF	314299	6.62	95401	13.18		
06 247WS-CF	318119	6.63	95935	13.19		
07 005SR-IF	322628	6.63	90353	13.20		
08 005SR-EF	318211	6.63	96219	13.20		
09 005SR-IFMS	318068	6.63	98523	13.19		
10 005SR-IFMSD	319811	6.63	100204	13.20		
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

IS1 = Fluorobenzene  
 IS2 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643012

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4836

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643012

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4836

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	D
136777-61-2	m,p-Xylene	0.5	D
95-47-6	o-Xylene	0.5	D
100-42-5	Styrene	0.5	D
75-25-2	Bromoform	0.5	D
98-82-8	Isopropylbenzene	0.5	D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	D
108-86-1	Bromobenzene	0.5	D
96-18-4	1,2,3-Trichloropropane	0.5	D
103-65-1	n-Propylbenzene	0.5	D
95-49-8	2-Chlorotoluene	0.5	D
108-67-8	1,3,5-Trimethylbenzene	0.5	D
106-43-4	4-Chlorotoluene	0.5	D
98-06-6	tert-Butylbenzene	0.5	D
95-63-6	1,2,4-Trimethylbenzene	0.5	D
135-98-8	sec-Butylbenzene	0.5	D
541-73-1	1,3-Dichlorobenzene	0.5	D
99-87-6	4-Isopropyltoluene	0.5	D
106-46-7	1,4-Dichlorobenzene	0.5	D
104-51-8	n-Butylbenzene	0.5	D
95-50-1	1,2-Dichlorobenzene	0.5	D
96-12-8	1,2-Dibromo-3-chloropropane	0.5	D
120-82-1	1,2,4-Trichlorobenzene	0.5	D
87-68-3	Hexachlorobutadiene	0.5	D
91-20-3	Naphthalene	0.5	D
87-61-6	1,2,3-Trichlorobenzene	0.5	D

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643012

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4836

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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28.				
29.				
30.				

Data File: \\AVOCADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4836.D

Date : 18-OCT-2000 13:25

Client ID: 005SR-CF

Sample Info: RFM,71643012,005SR-CF,V2B1018A,,71643

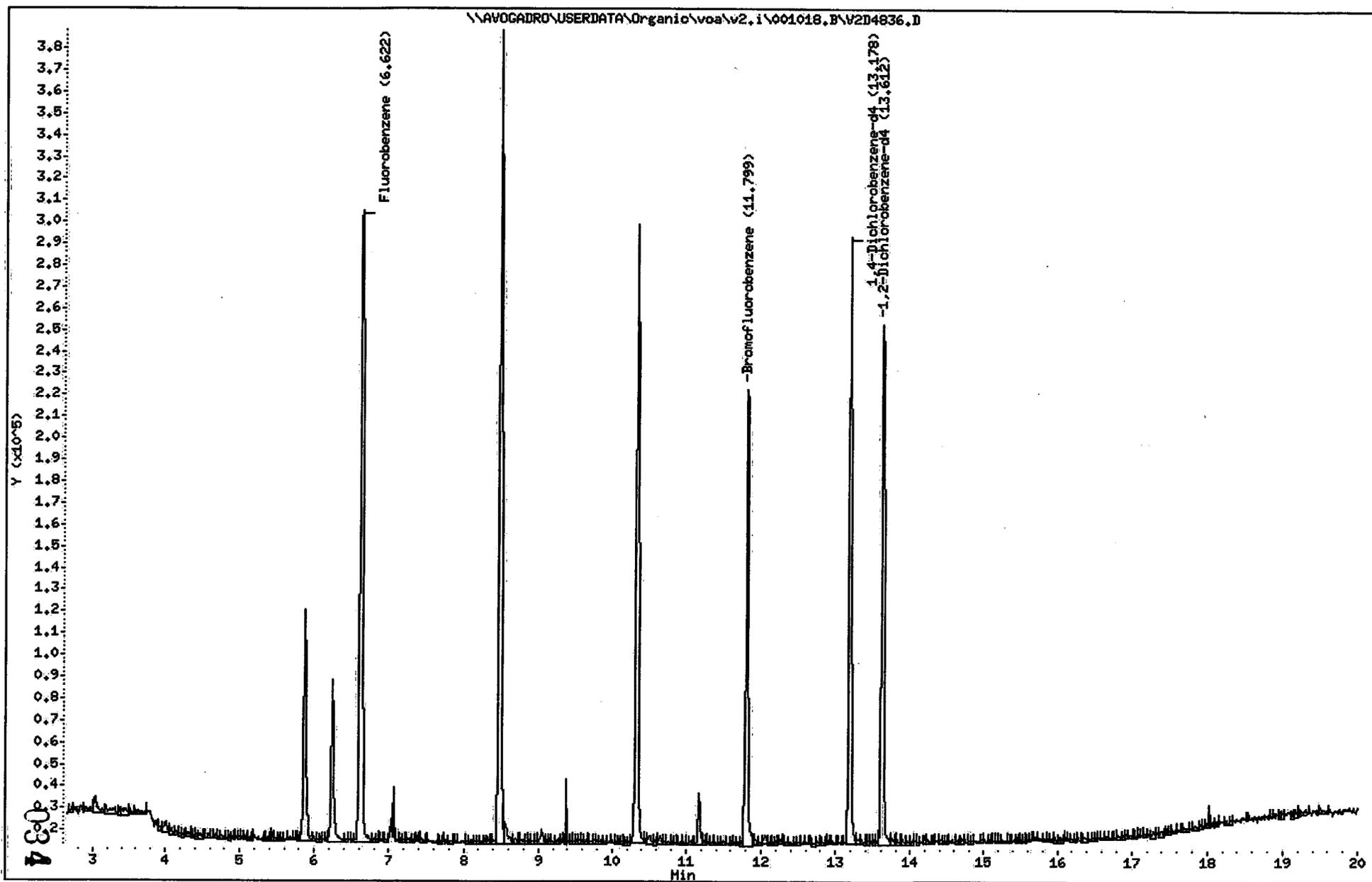
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4836.D  
 Lab Smp Id: 71643012 Client Smp ID: 005SR-CF  
 Inj Date : 18-OCT-2000 13:25  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643012,005SR-CF,V2B1018A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 6  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/L)
* 22 Fluorobenzene	96	6.622	6.612	(1.000)	316659	5.00000	
\$ 44 Bromofluorobenzene	95	11.799	11.799	(1.782)	86604	4.96904	5
* 57 1,4-Dichlorobenzene-d4	152	13.188	13.178	(1.000)	98946	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.623	13.613	(1.033)	81500	5.09795	5

*Ag*  
*10/24/00*  
*K*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4836.D  
Report Date: 25-Oct-2000 16:33

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4836.D  
Lab Smp Id: 71643012 Client Smp ID: 005SR-CF  
Inj Date : 18-OCT-2000 13:25  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643012,005SR-CF,V2B1018A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 6  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643013

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4841

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643013

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4841

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	UU 4
95-47-6	o-Xylene	0.5	UU
100-42-5	Styrene	0.5	UU
75-25-2	Bromoform	0.5	UU 4
98-82-8	Isopropylbenzene	0.5	UU
79-34-5	1,1,2,2-Tetrachloroethane	0.5	UU
108-86-1	Bromobenzene	0.5	UU
96-18-4	1,2,3-Trichloropropane	0.5	UU
103-65-1	n-Propylbenzene	0.5	UU 4
95-49-8	2-Chlorotoluene	0.5	UU
108-67-8	1,3,5-Trimethylbenzene	0.5	UU
106-43-4	4-Chlorotoluene	0.5	UU
98-06-6	tert-Butylbenzene	0.5	UU
95-63-6	1,2,4-Trimethylbenzene	0.5	UU
135-98-8	sec-Butylbenzene	0.5	UU
541-73-1	1,3-Dichlorobenzene	0.5	UU
99-87-6	4-Isopropyltoluene	0.5	UU
106-46-7	1,4-Dichlorobenzene	0.5	UU
104-51-8	n-Butylbenzene	0.5	UU 4
95-50-1	1,2-Dichlorobenzene	0.5	UU
96-12-8	1,2-Dibromo-3-chloropropane	0.5	UU R
120-82-1	1,2,4-Trichlorobenzene	0.5	UU
87-68-3	Hexachlorobutadiene	0.5	UU
91-20-3	Naphthalene	0.5	UU
87-61-6	1,2,3-Trichlorobenzene	0.5	UU

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643013

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4841

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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21.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2,i\001018.B\V2D4841.D

Date : 18-OCT-2000 15:37

Client ID: 005SR-EF

Sample Info: RFW,71643013,005SR-EF,V2B1018A,,71643

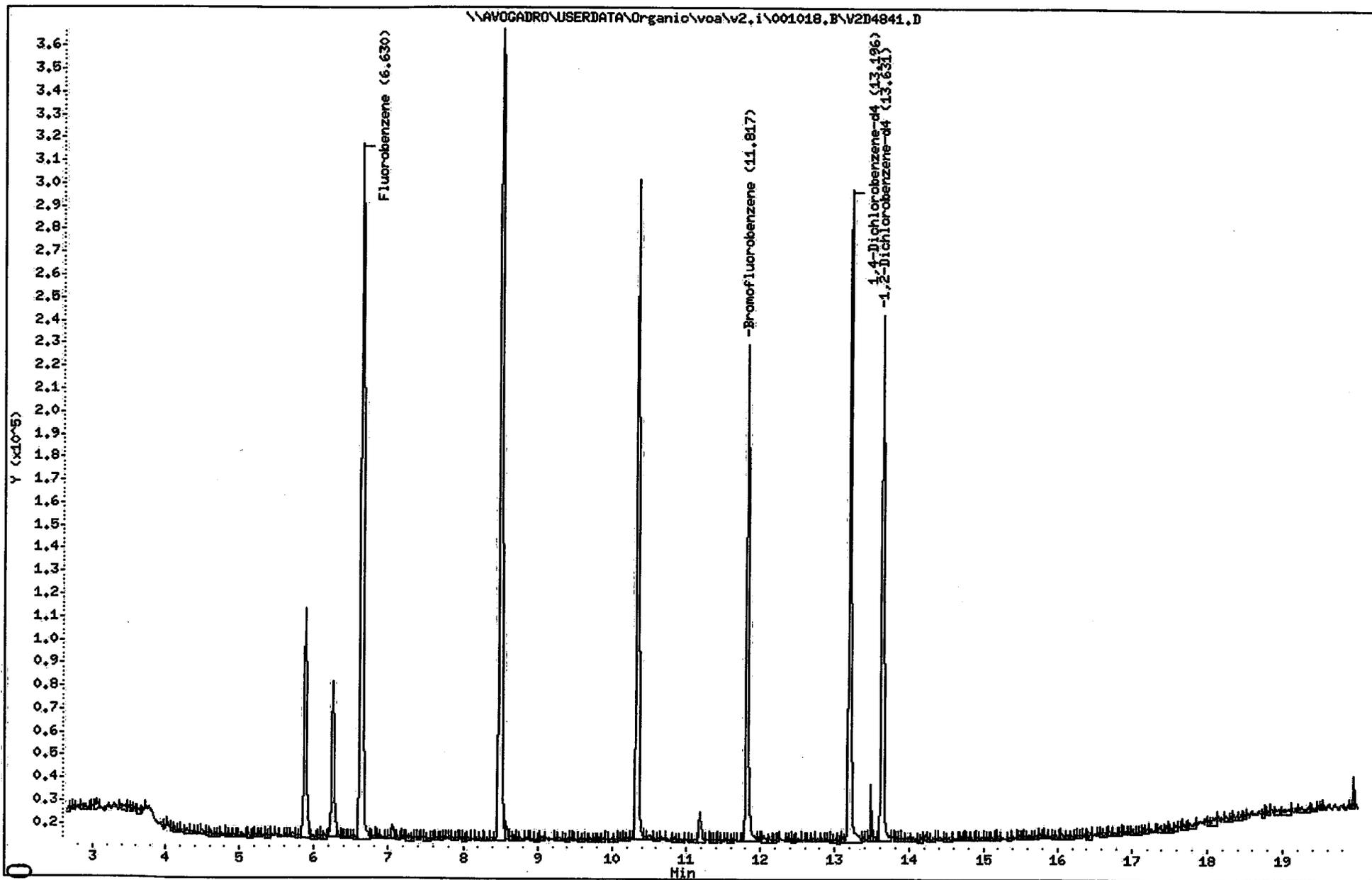
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



040

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4841.D  
 Lab Smp Id: 71643013 Client Smp ID: 005SR-EF  
 Inj Date : 18-OCT-2000 15:37  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643013,005SR-EF,V2B1018A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 11  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96		6.630	6.612	(1.000)	318211	5.00000		
\$ 44 Bromofluorobenzene	95		11.817	11.799	(1.782)	86223	4.92305	5	
* 57 1,4-Dichlorobenzene-d4	152		13.196	13.178	(1.000)	96219	5.00000		
\$ 59 1,2-Dichlorobenzene-d4	152		13.631	13.613	(1.033)	79388	5.10658	5	

*Handwritten:*  
 A9  
 10/24/00  
 ✓

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4841.D  
Report Date: 25-Oct-2000 16:37

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4841.D  
Lab Smp Id: 71643013 Client Smp ID: 005SR-EF  
Inj Date : 18-OCT-2000 15:37  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643013,005SR-EF,V2B1018A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 11  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643011

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4840

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	35	
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643011

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4840

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	D
136777-61-2	m,p-Xylene	0.5	D
95-47-6	o-Xylene	0.5	D
100-42-5	Styrene	0.5	D
75-25-2	Bromoform	0.5	D
98-82-8	Isopropylbenzene	0.5	D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	D
108-86-1	Bromobenzene	0.5	D
96-18-4	1,2,3-Trichloropropane	0.5	D
103-65-1	n-Propylbenzene	0.5	D
95-49-8	2-Chlorotoluene	0.5	D
108-67-8	1,3,5-Trimethylbenzene	0.5	D
106-43-4	4-Chlorotoluene	0.5	D
98-06-6	tert-Butylbenzene	0.5	D
95-63-6	1,2,4-Trimethylbenzene	0.5	D
135-98-8	sec-Butylbenzene	0.5	D
541-73-1	1,3-Dichlorobenzene	0.5	D
99-87-6	4-Isopropyltoluene	0.5	D
106-46-7	1,4-Dichlorobenzene	0.5	D
104-51-8	n-Butylbenzene	0.5	D
95-50-1	1,2-Dichlorobenzene	0.5	D
96-12-8	1,2-Dibromo-3-chloropropane	0.5	D
120-82-1	1,2,4-Trichlorobenzene	0.5	D
87-68-3	Hexachlorobutadiene	0.5	D
91-20-3	Naphthalene	0.5	D
87-61-6	1,2,3-Trichlorobenzene	0.5	D

1E  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

005SR-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643011

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4840

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4840.D

Date : 18-OCT-2000 15:04

Client ID: 005SR-IF

Sample Info: RFW,71643011,005SR-IF,V2B1018A,,71643

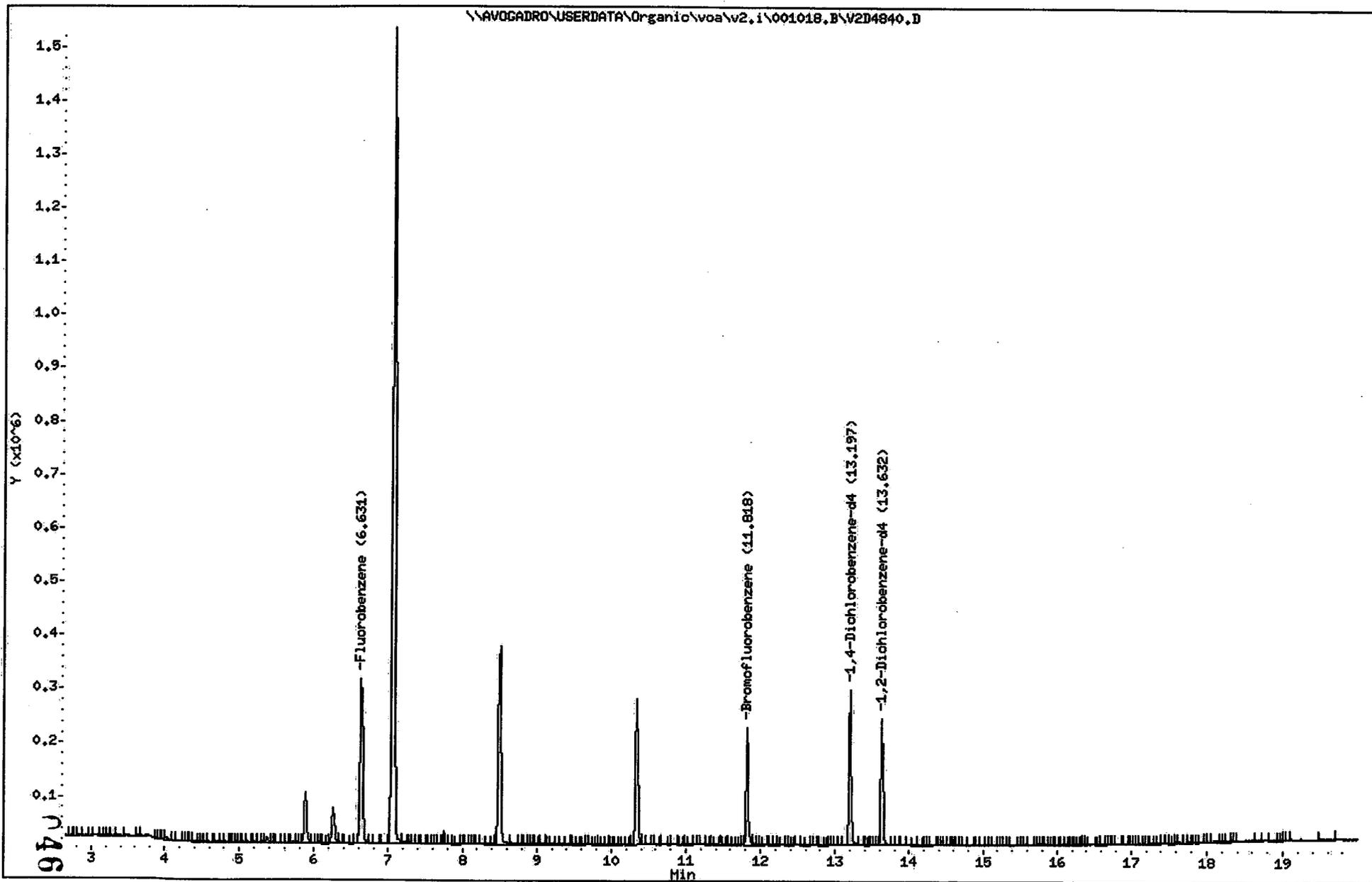
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.1

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4840.D  
 Lab Smp Id: 71643011 Client Smp ID: 005SR-IF  
 Inj Date : 18-OCT-2000 15:04  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643011,005SR-IF,V2B1018A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 9  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96		6.631	6.612	(1.000)	322628	5.00000	
23 Trichloroethene	95		7.055	7.036	(1.064)	609720	35.2456	35
\$ 44 Bromofluorobenzene	95		11.818	11.799	(1.782)	84098	4.73598	5
* 57 1,4-Dichlorobenzene-d4	152		13.197	13.178	(1.000)	90353	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152		13.632	13.613	(1.033)	74860	5.12794	5

*Ag*  
 10/24/00

*K*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4840.D  
Report Date: 25-Oct-2000 16:34

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4840.D  
Lab Smp Id: 71643011 Client Smp ID: 005SR-IF  
Inj Date : 18-OCT-2000 15:04  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643011,005SR-IF,V2B1018A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 9  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001018.B\V2D4840.D

Date : 18-OCT-2000 15:04

Client ID: 005SR-IF

Instrument: v2.i

Sample Info: RFW,71643011,005SR-IF,V2B1018A,,71643

Purge Volume: 25.0

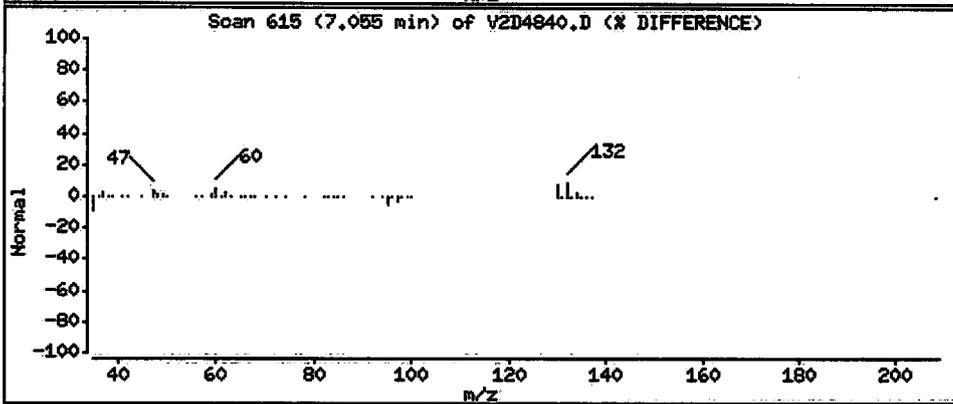
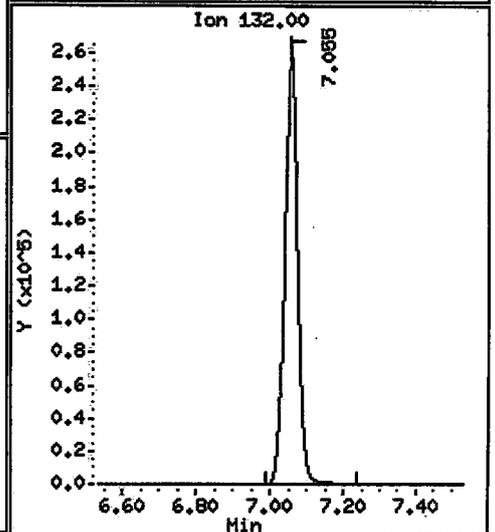
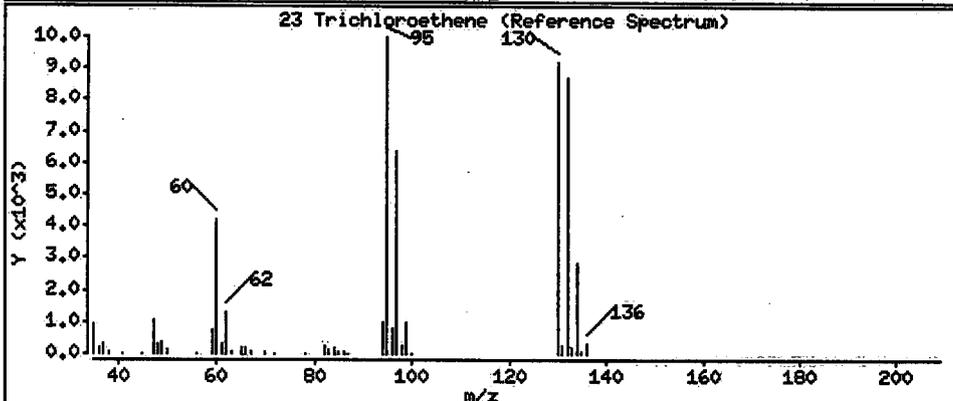
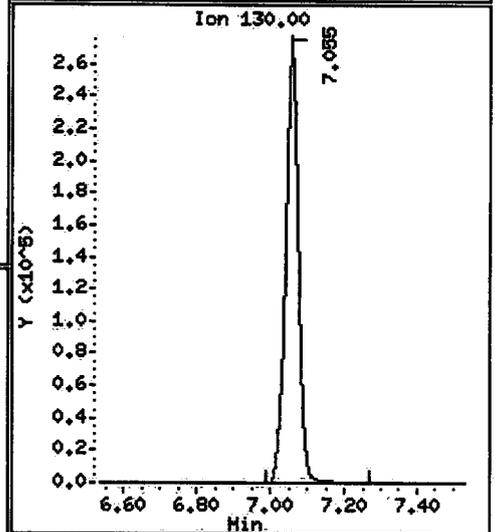
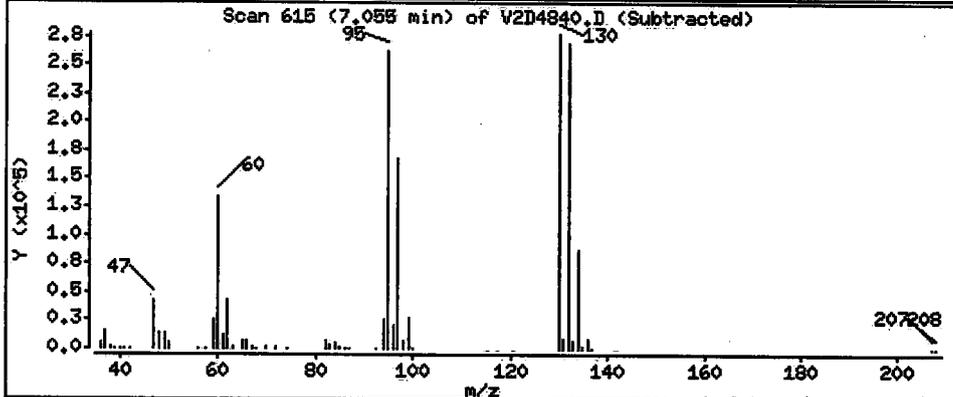
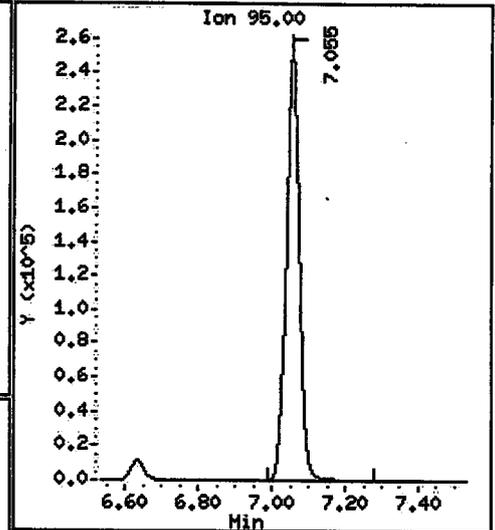
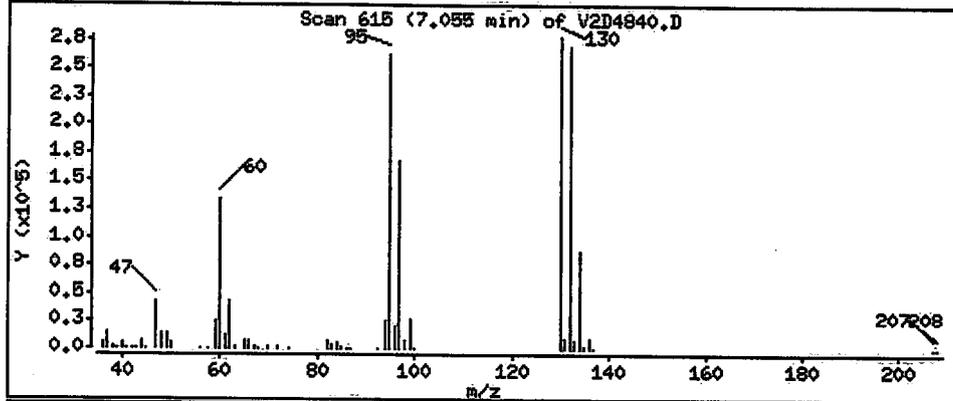
Operator: JT

Column phase: DB-624

Column diameter: 0.25

23 Trichloroethene

Concentration: 35 ug/L



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240W<sup>5</sup>-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643004

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4806

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	1	
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.8	
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240W<sup>5</sup>-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643004

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4806

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.                      COMPOUND                      CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L                      Q

100-41-4-----	Ethylbenzene	0.5	U
136777-61-2-----	m,p-Xylene	0.5	UUJ
95-47-6-----	o-Xylene	0.5	UU
100-42-5-----	Styrene	0.5	UU
75-25-2-----	Bromoform	0.5	UUJ
98-82-8-----	Isopropylbenzene	0.5	UU
79-34-5-----	1,1,2,2-Tetrachloroethane	0.5	UU
108-86-1-----	Bromobenzene	0.5	UU
96-18-4-----	1,2,3-Trichloropropane	0.5	UU
103-65-1-----	n-Propylbenzene	0.5	UU
95-49-8-----	2-Chlorotoluene	0.5	UU
108-67-8-----	1,3,5-Trimethylbenzene	0.5	UU
106-43-4-----	4-Chlorotoluene	0.5	UU
98-06-6-----	tert-Butylbenzene	0.5	UU
95-63-6-----	1,2,4-Trimethylbenzene	0.5	UU
135-98-8-----	sec-Butylbenzene	0.5	UU
541-73-1-----	1,3-Dichlorobenzene	0.5	UU
99-87-6-----	4-Isopropyltoluene	0.5	UU
106-46-7-----	1,4-Dichlorobenzene	0.5	UU
104-51-8-----	n-Butylbenzene	0.5	UU
95-50-1-----	1,2-Dichlorobenzene	0.5	UU
96-12-8-----	1,2-Dibromo-3-chloropropane	<del>0.5</del>	<del>UU</del> R
120-82-1-----	1,2,4-Trichlorobenzene	0.5	UU
87-68-3-----	Hexachlorobutadiene	0.5	UU
91-20-3-----	Naphthalene	0.5	UU
87-61-6-----	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WF-<sup>5</sup>IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643004

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4806

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOCADRO\USERDATA\Organic\voa\v2.i\001017.B\2D4806.D

Date : 17-OCT-2000 19:35

Client ID: 240WF-IF

Sample Info: RFW,71643004,240WS-IF,V2B1017A,,71643

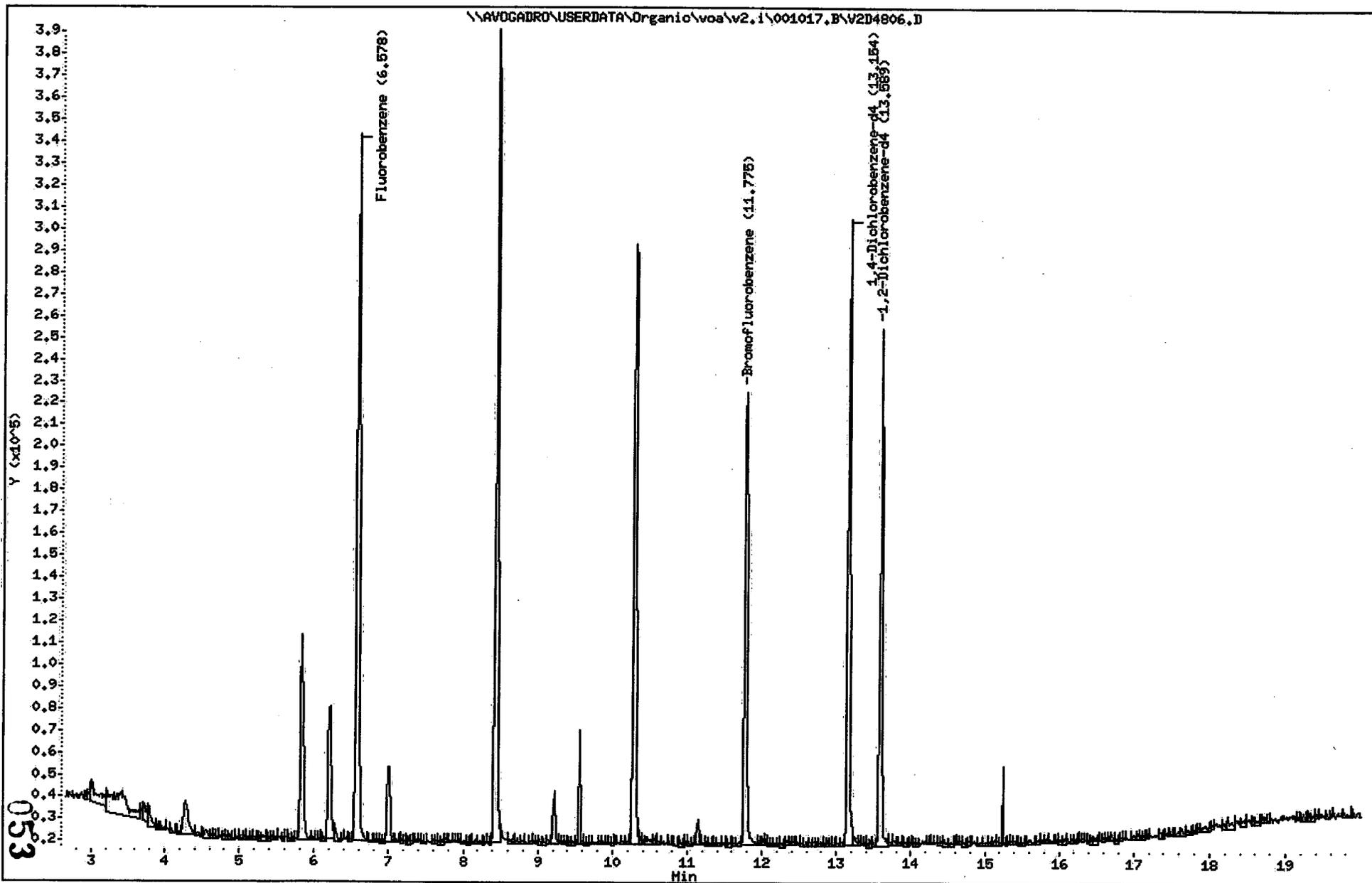
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4806.D  
 Lab Smp Id: 71643004 Client Smp ID: 240WF-IF  
 Inj Date : 17-OCT-2000 19:35  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643004,240WS-IF,V2B1017A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 16  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL ( ug/L)
10 Methyl tert-butyl ether	73	4.276	4.225	(0.650)	27239	1.34708	1	
* 22 Fluorobenzene	96	6.578	6.516	(1.000)	326450	5.00000		
23 Trichloroethene	95	7.002	6.930	(1.065)	14405	0.82295	0.8	
\$ 44 Bromofluorobenzene	95	11.775	11.714	(1.790)	87571	4.87383	5	
* 57 1,4-Dichlorobenzene-d4	152	13.154	13.104	(1.000)	88979	5.00000		
\$ 59 1,2-Dichlorobenzene-d4	152	13.589	13.539	(1.033)	73343	5.10161	5	

*Ag*  
*10/24/00*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4806.D  
Report Date: 25-Oct-2000 16:52

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4806.D  
Lab Smp Id: 71643004 Client Smp ID: 240WF-IF  
Inj Date : 17-OCT-2000 19:35  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643004,240WS-IF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 16  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4806.D

Date : 17-OCT-2000 19:35

Client ID: 240WF-IF

Instrument: v2.i

Sample Info: RFW,71643004,240WS-IF,V2B1017A,,71643

Purge Volume: 25.0

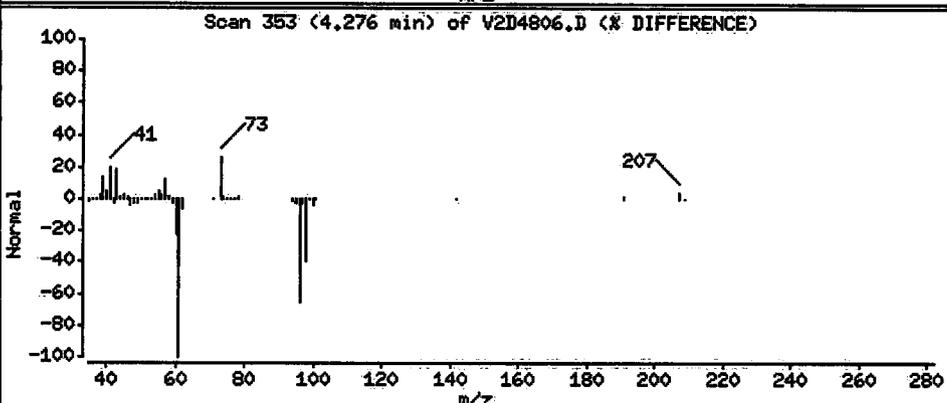
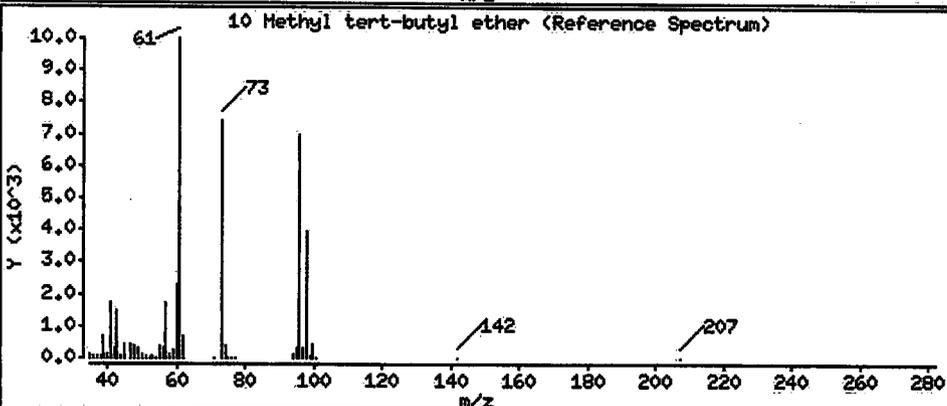
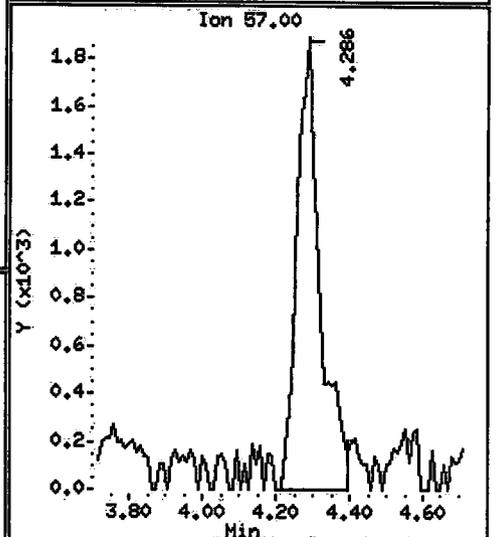
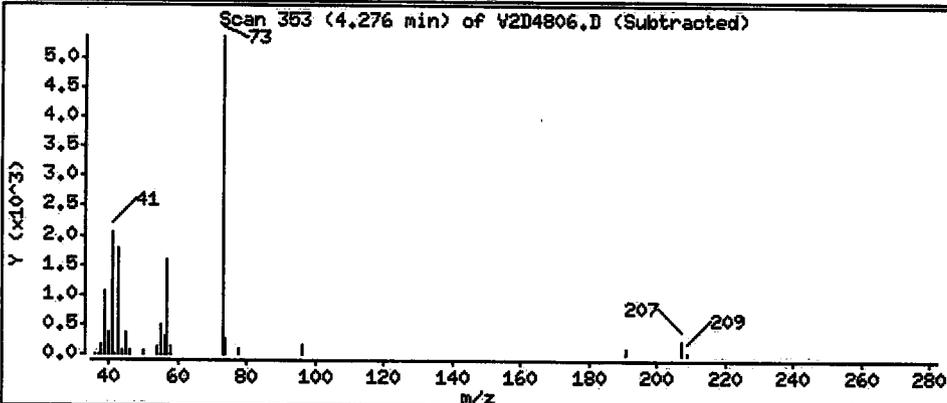
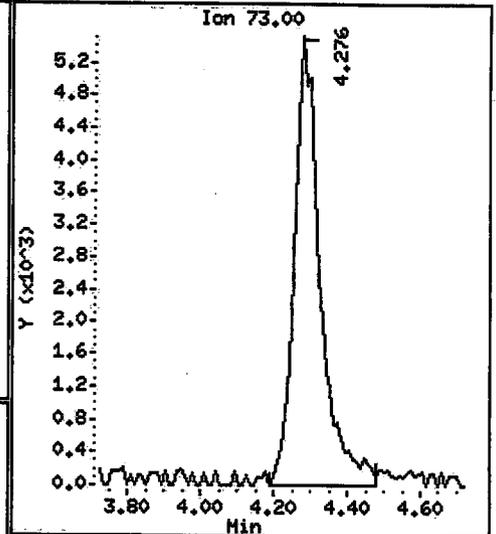
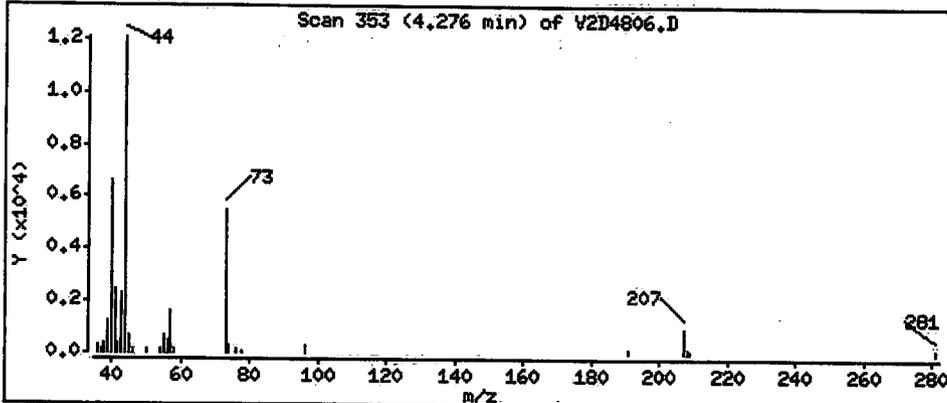
Operator: JT

Column phase: DB-624

Column diameter: 0.25

10 Methyl tert-butyl ether

Concentration: 1 ug/L



Date : 17-OCT-2000 19:35

Client ID: 240WF-IF

Instrument: v2.1

Sample Info: RFW,71643004,240WS-IF,V2B1017A,,71643

Purge Volume: 25.0

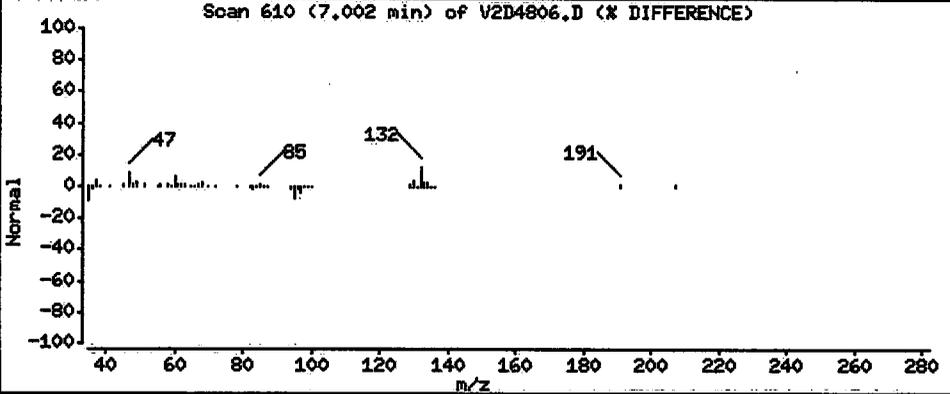
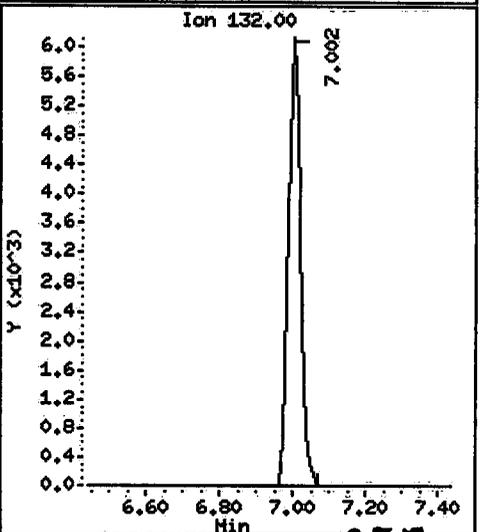
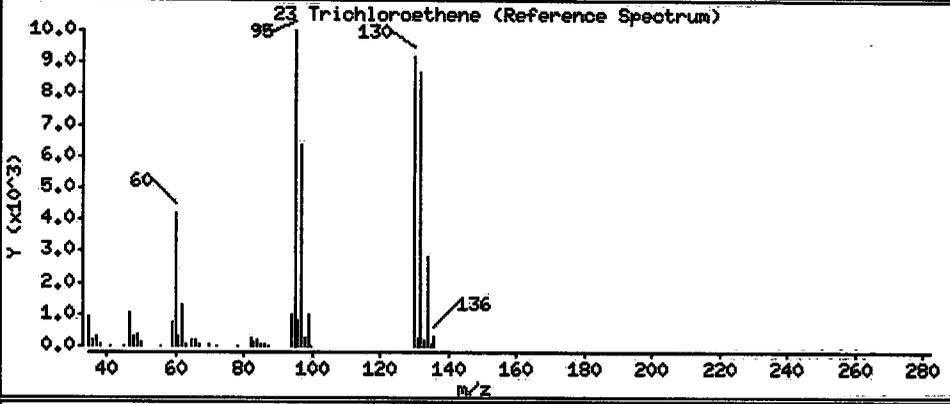
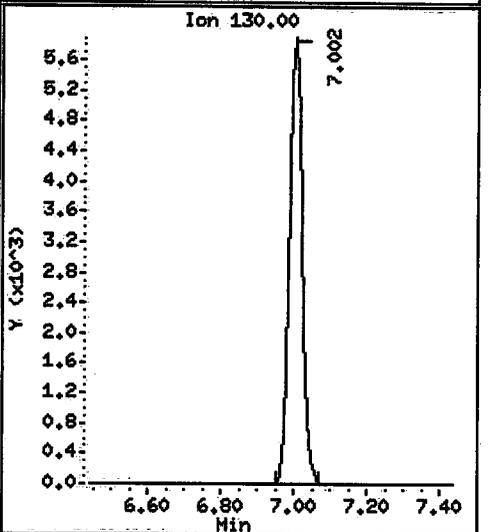
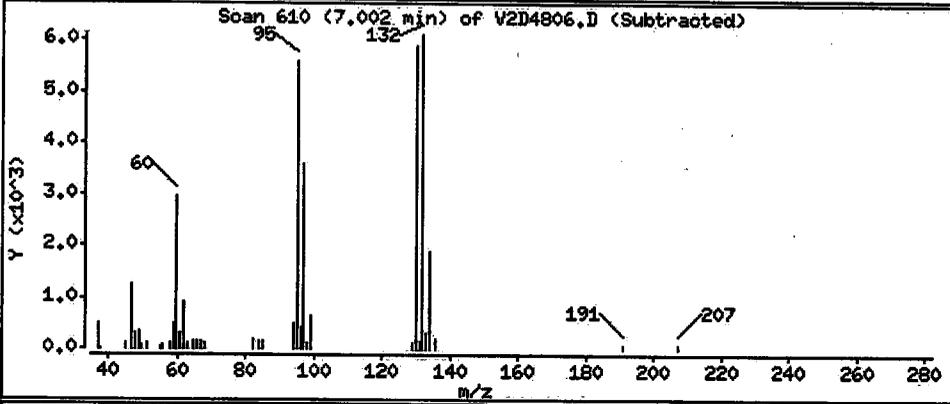
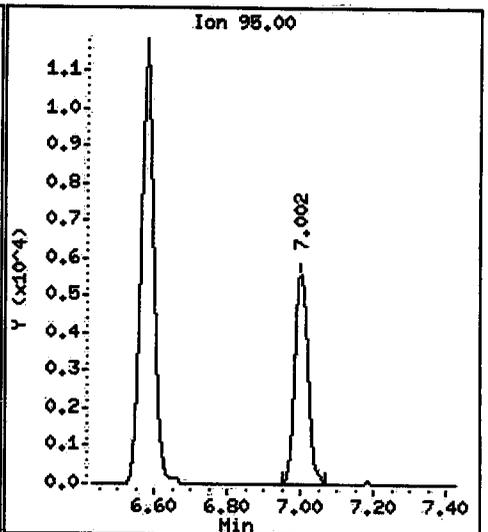
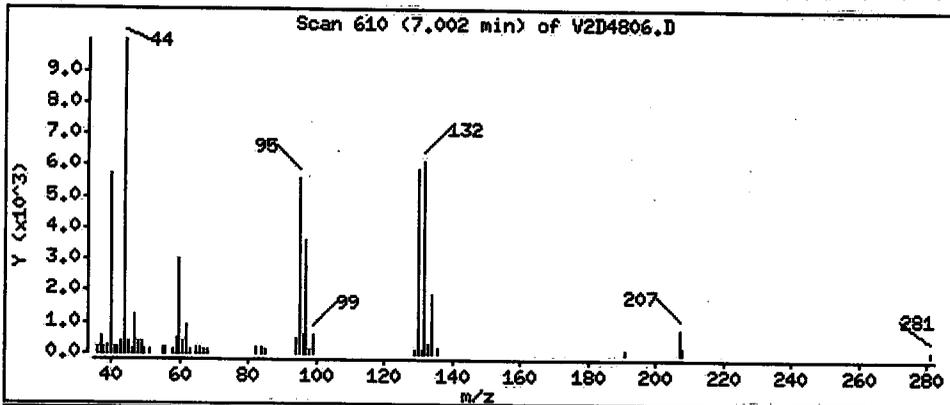
Operator: JT

Column phase: DB-624

Column diameter: 0.25

23 Trichloroethene

Concentration: 0.8 ug/L



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643005

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4807

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643005

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4807

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643005

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4807

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\2D4807.D

Date : 17-OCT-2000 20:05

Client ID: 240WS-CF

Sample Info: RFW,71643005,240WS-CF,V2B1017A,,71643

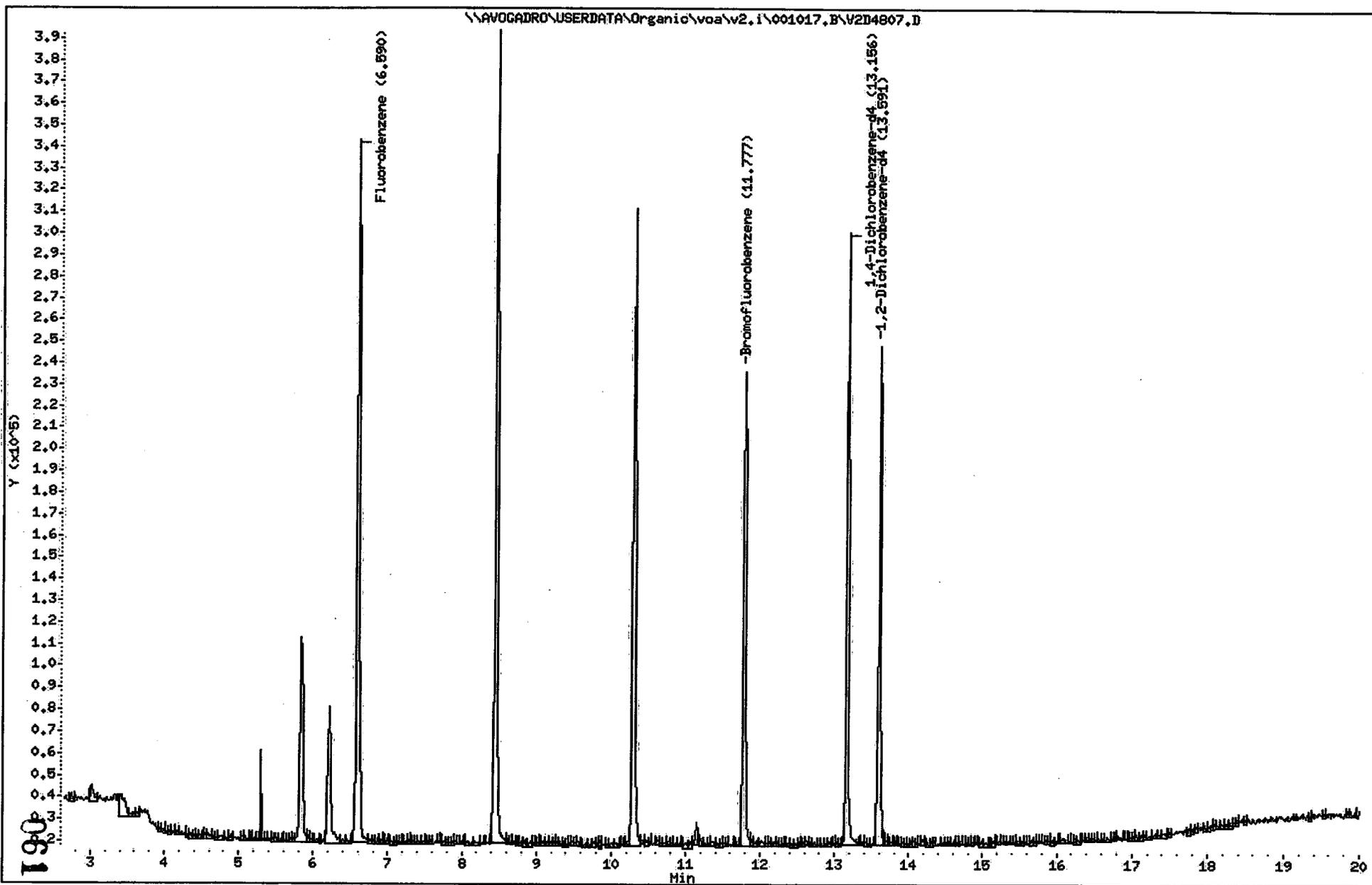
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4807.D  
 Lab Smp Id: 71643005 Client Smp ID: 240WS--CF  
 Inj Date : 17-OCT-2000 20:05  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643005,240WS-CF,V2B1017A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 17  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.590	6.516	(1.000)	330526	5.00000	
\$ 44 Bromofluorobenzene	95	11.777	11.714	(1.787)	86750	4.76860	5
* 57 1,4-Dichlorobenzene-d4	152	13.156	13.104	(1.000)	89912	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.591	13.539	(1.033)	72880	5.01680	5

*Ag*  
*10/24/00*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4807.D  
Report Date: 25-Oct-2000 16:52

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4807.D  
Lab Smp Id: 71643005 Client Smp ID: 240WS-CF  
Inj Date : 17-OCT-2000 20:05  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643005,240WS-CF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 17  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643006

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4808

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643006

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4808

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m, p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del>	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

240WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643006

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4808

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001017.B\2D4808.D

Date : 17-OCT-2000 20:35

Client ID: 240WS-EF

Sample Info: RFM,71643006,240WS-EF,V2B1017A,,71643

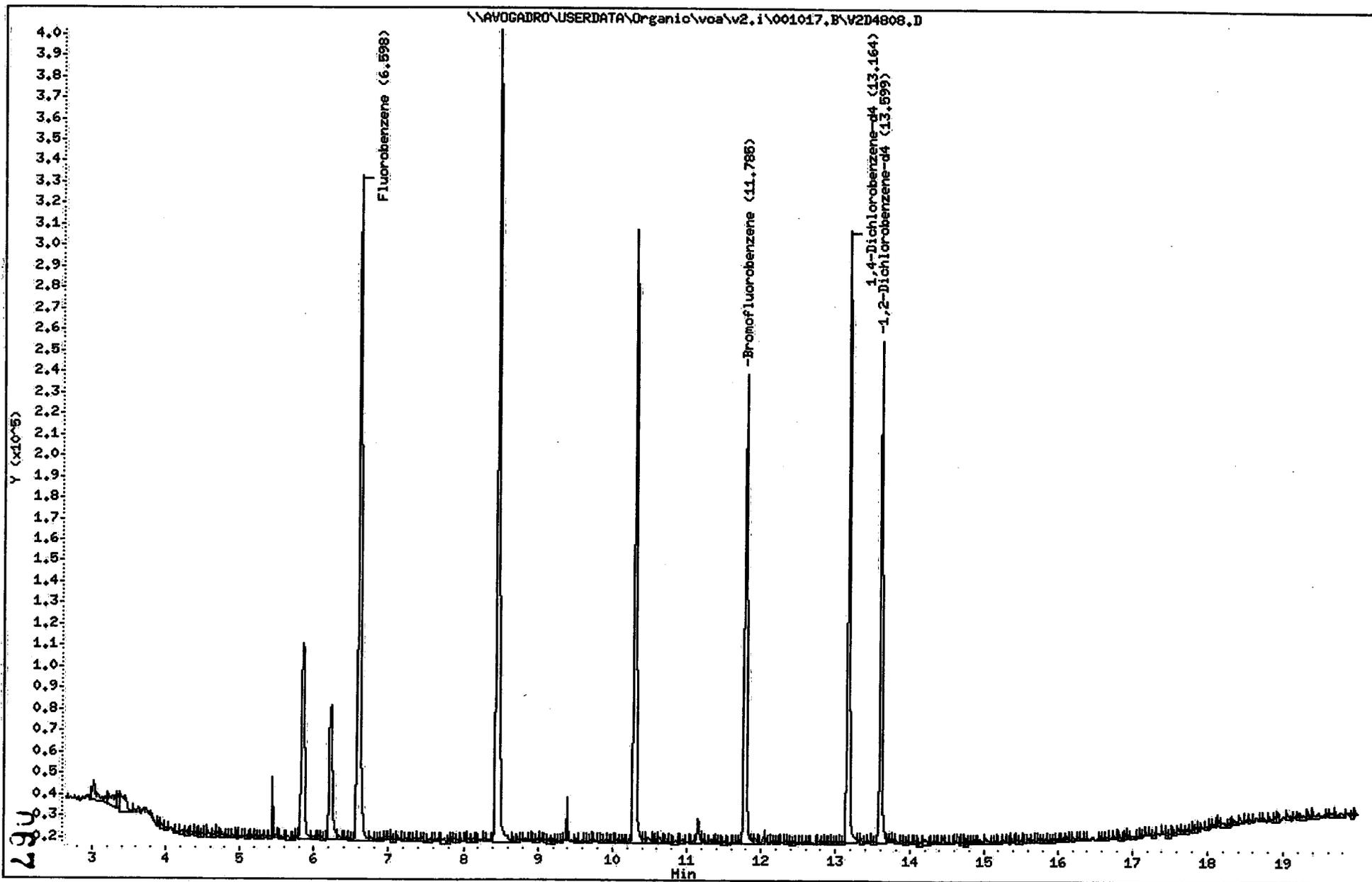
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4808.D  
Report Date: 24-Oct-2000 19:08

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4808.D  
Lab Smp Id: 71643006 Client Smp ID: 240WS-EF  
Inj Date : 17-OCT-2000 20:35  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643006,240WS-EF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 18  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG			CONCENTRATIONS			
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.598	6.516	(1.000)	324885	5.00000	
\$ 44 Bromofluorobenzene	95	11.785	11.714	(1.786)	84644	4.73362	5
* 57 1,4-Dichlorobenzene-d4	152	13.164	13.104	(1.000)	90555	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.599	13.539	(1.033)	71992	4.92048	5

*Ag*  
*10/24/00*

*h*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4808.D  
Report Date: 25-Oct-2000 16:53

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4808.D  
Lab Smp Id: 71643006 Client Smp ID: 240WS-EF  
Inj Date : 17-OCT-2000 20:35  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643006,240WS-EF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 18  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643009

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4817

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643009

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4817

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	
136777-61-2	m,p-Xylene	0.5	
95-47-6	o-Xylene	0.5	
100-42-5	Styrene	0.5	
75-25-2	Bromoform	0.5	
98-82-8	Isopropylbenzene	0.5	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	
108-86-1	Bromobenzene	0.5	
96-18-4	1,2,3-Trichloropropane	0.5	
103-65-1	n-Propylbenzene	0.5	
95-49-8	2-Chlorotoluene	0.5	
108-67-8	1,3,5-Trimethylbenzene	0.5	
106-43-4	4-Chlorotoluene	0.5	
98-06-6	tert-Butylbenzene	0.5	
95-63-6	1,2,4-Trimethylbenzene	0.5	
135-98-8	sec-Butylbenzene	0.5	
541-73-1	1,3-Dichlorobenzene	0.5	
99-87-6	4-Isopropyltoluene	0.5	
106-46-7	1,4-Dichlorobenzene	0.5	
104-51-8	n-Butylbenzene	0.5	
95-50-1	1,2-Dichlorobenzene	0.5	
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del>	
120-82-1	1,2,4-Trichlorobenzene	0.5	
87-68-3	Hexachlorobutadiene	0.5	
91-20-3	Naphthalene	0.5	
87-61-6	1,2,3-Trichlorobenzene	0.5	

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643009

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4817

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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16.				
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18.				
19.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: V2D4817.D  
Report Date: 25-Oct-2000 17:05

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4817.D  
Lab Smp Id: 71643009 Client Smp ID: 246WS-CF  
Inj Date : 18-OCT-2000 01:28  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643009,246WS-CF,V2B1017B,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 27  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4817.D

Date : 18-OCT-2000 01:28

Client ID: 246MS-CF

Sample Info: RFW,71643009,246MS-CF,V2B1017B,,71643

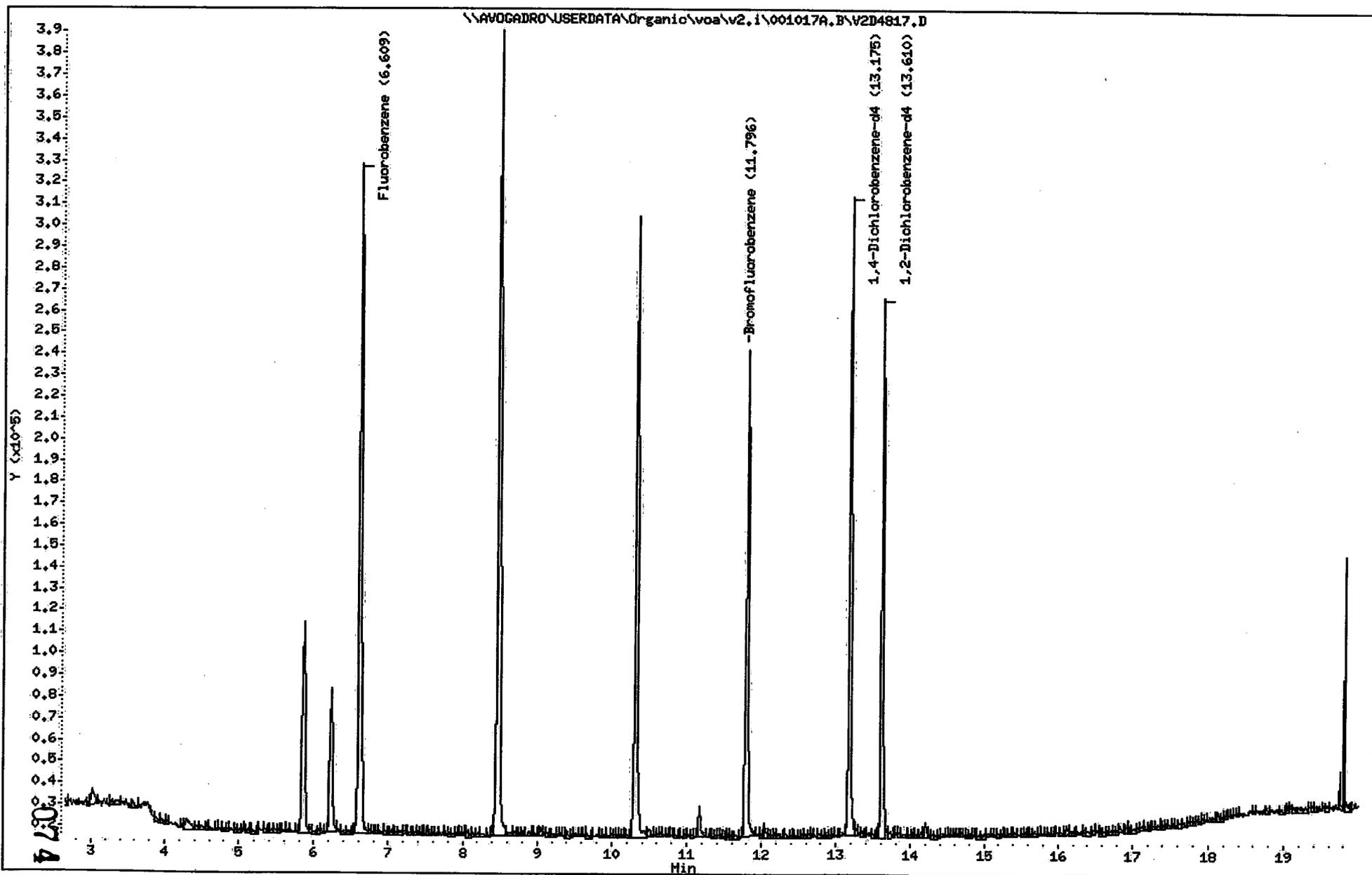
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4817.D  
Report Date: 24-Oct-2000 18:38

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4817.D  
Lab Smp Id: 71643009 Client Smp ID: 246WS-CF  
Inj Date : 18-OCT-2000 01:28  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643009,246WS-CF,V2B1017B,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 27  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96		6.609	6.598	(1.000)	320292	5.00000	
\$ 44 Bromofluorobenzene	95		11.796	11.785	(1.785)	87667	4.97298	5
* 57 1,4-Dichlorobenzene-d4	152		13.175	13.174	(1.000)	93935	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152		13.610	13.609	(1.033)	76846	5.06325	5

*Handwritten signature*  
10/24/00  
*Handwritten mark*

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643010

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4818

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643010

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4818

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643010

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4818

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4818.D

Date : 18-OCT-2000 02:01

Client ID: 246WS-EF

Sample Info: RFM,71643010,246WS-EF,V2B1017B,,71643

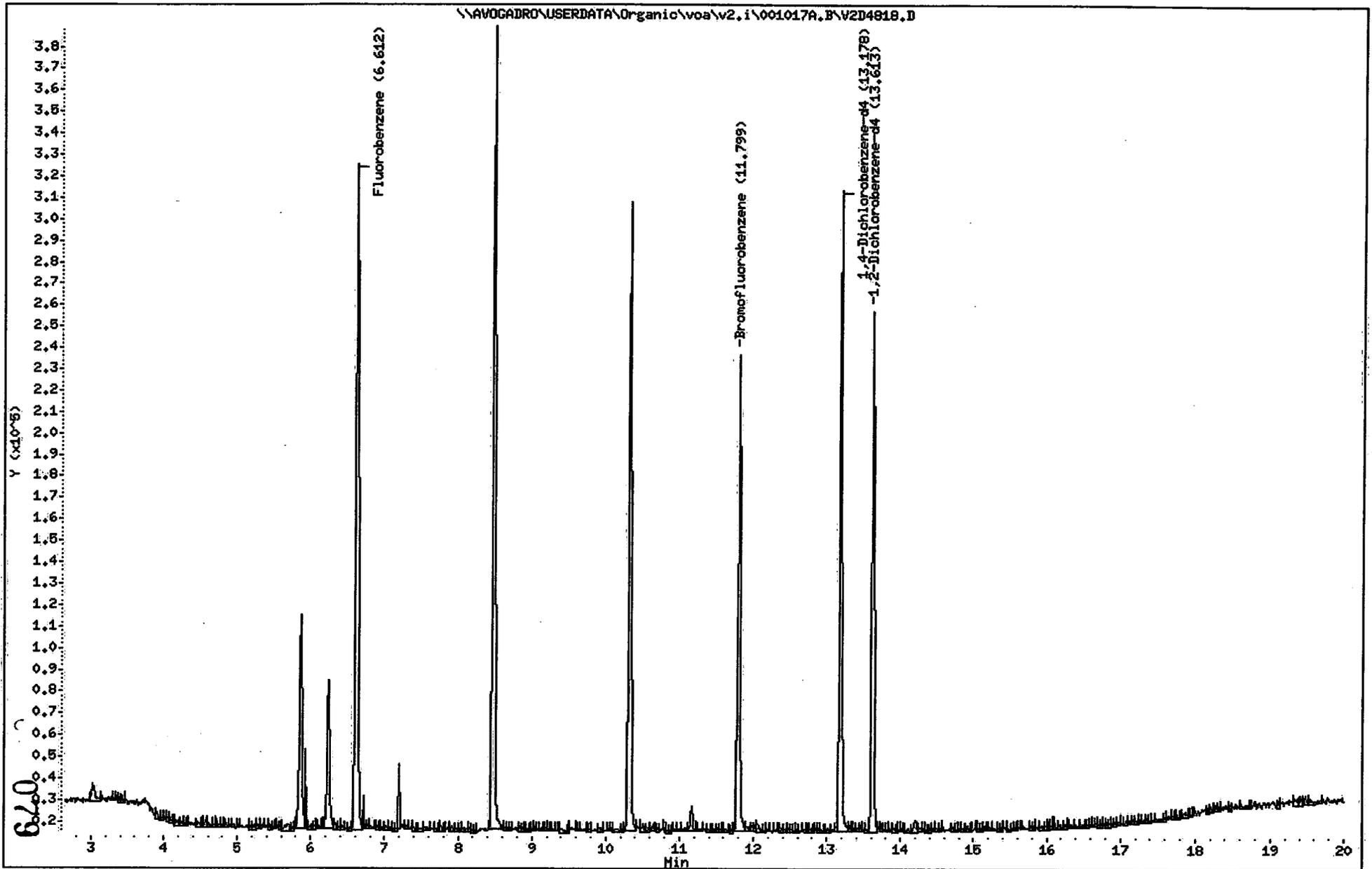
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4818.D  
 Report Date: 24-Oct-2000 18:38

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4818.D  
 Lab Smp Id: 71643010 Client Smp ID: 246WS-EF  
 Inj Date : 18-OCT-2000 02:01  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643010,246WS-EF,V2B1017B,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 28  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.612	6.598	(1.000)	327439	5.00000	
\$ 44 Bromofluorobenzene	95	11.799	11.785	(1.785)	88080	4.88735	5
* 57 1,4-Dichlorobenzene-d4	152	13.178	13.174	(1.000)	95188	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.613	13.609	(1.033)	76228	4.95642	5

*Ag*  
 (10/24/00)

*k*

Data File: V2D4818.D  
Report Date: 25-Oct-2000 16:42

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4818.D  
Lab Smp Id: 71643010 Client Smp ID: 246WS-EF  
Inj Date : 18-OCT-2000 02:01  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643010,246WS-EF,V2B1017B,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 28  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643008

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4816

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	28	
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643008

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4816

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	D
136777-61-2	m,p-Xylene	0.5	D
95-47-6	o-Xylene	0.5	D
100-42-5	Styrene	0.5	D
75-25-2	Bromoform	0.5	D
98-82-8	Isopropylbenzene	0.5	D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	D
108-86-1	Bromobenzene	0.5	D
96-18-4	1,2,3-Trichloropropane	0.5	D
103-65-1	n-Propylbenzene	0.5	D
95-49-8	2-Chlorotoluene	0.5	D
108-67-8	1,3,5-Trimethylbenzene	0.5	D
106-43-4	4-Chlorotoluene	0.5	D
98-06-6	tert-Butylbenzene	0.5	D
95-63-6	1,2,4-Trimethylbenzene	0.5	D
135-98-8	sec-Butylbenzene	0.5	D
541-73-1	1,3-Dichlorobenzene	0.5	D
99-87-6	4-Isopropyltoluene	0.5	D
106-46-7	1,4-Dichlorobenzene	0.5	D
104-51-8	n-Butylbenzene	0.5	D
95-50-1	1,2-Dichlorobenzene	0.5	D
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del>	D
120-82-1	1,2,4-Trichlorobenzene	0.5	D
87-68-3	Hexachlorobutadiene	0.5	D
91-20-3	Naphthalene	0.5	D
87-61-6	1,2,3-Trichlorobenzene	0.5	D

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

246WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643008

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4816

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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17.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\W2D4816.D

Date : 18-OCT-2000 00:55

Client ID: 246HS-IF

Sample Info: RFW,71643008,246HS-IF,V2B1017B,,71643

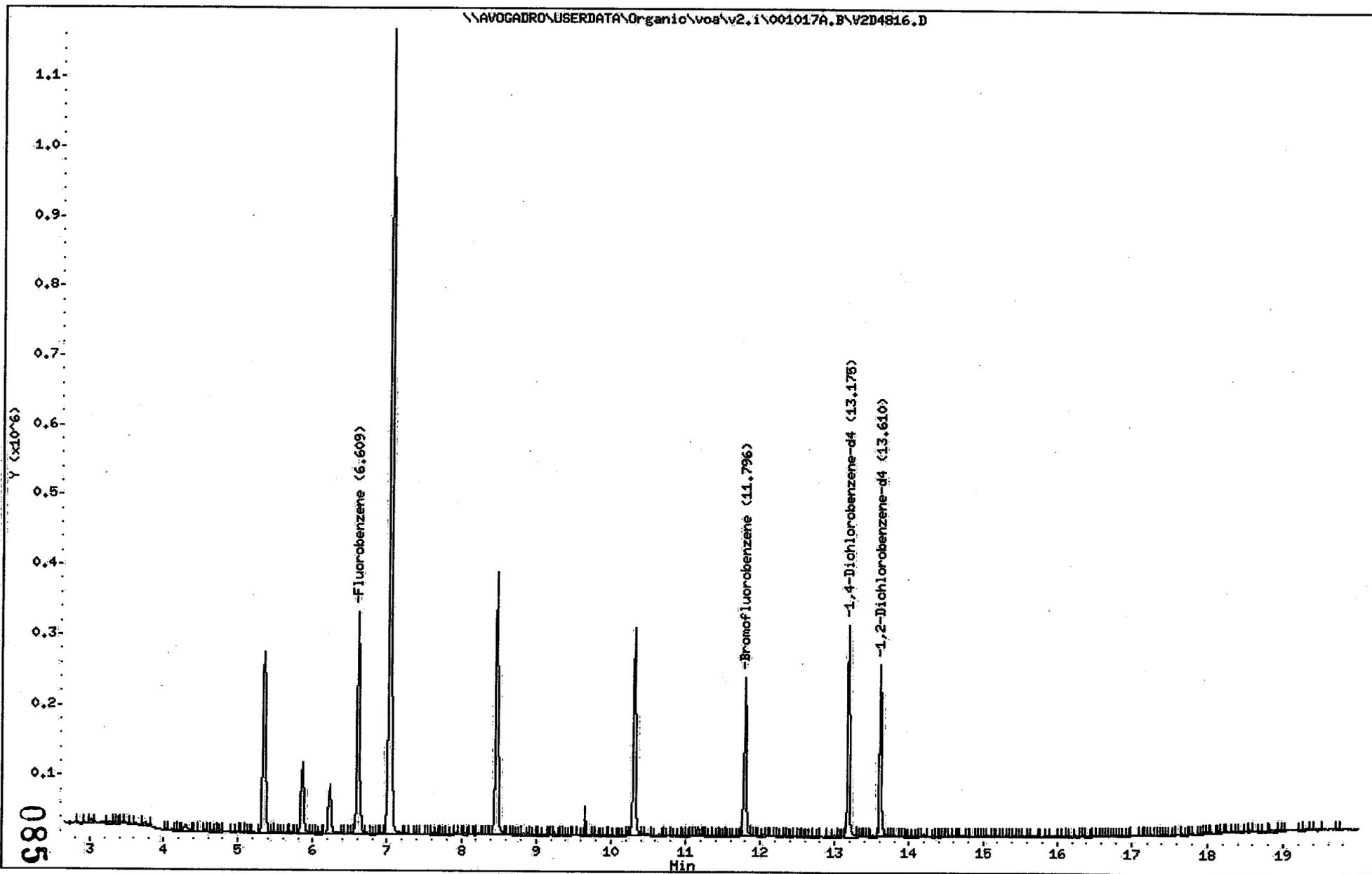
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.1

Operator: JT

Column diameter: 0.25



Data File: V2D4816.D  
 Report Date: 24-Oct-2000 18:38

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4816.D  
 Lab Smp Id: 71643008 Client Smp ID: 246WS-IF  
 Inj Date : 18-OCT-2000 00:55  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643008,246WS-IF,V2B1017B,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 26  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
12 cis-1,2-Dichloroethene	96		5.346	5.346	(0.809)	130565	7.41887	7
M 14 1,2-Dichloroethene (Total)	96					130565	7.41887	7
* 22 Fluorobenzene	96		6.609	6.598	(1.000)	325196	5.00000	
23 Trichloroethene	95		7.035	7.022	(1.064)	482426	27.6670	28
\$ 44 Bromofluorobenzene	95		11.796	11.785	(1.785)	87117	4.86726	5
* 57 1,4-Dichlorobenzene-d4	152		13.175	13.174	(1.000)	93571	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152		13.610	13.609	(1.033)	77412	5.12039	5

*Handwritten:* A9  
 (0/24/a)

Data File: V2D4816.D  
Report Date: 25-Oct-2000 16:41

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4816.D  
Lab Smp Id: 71643008 Client Smp ID: 246WS-IF  
Inj Date : 18-OCT-2000 00:55  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643008,246WS-IF,V2B1017B,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 26  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOCADRO\USERDATA\Organic\voa\w2.1\001017A.B\V2D4816.D

Date : 18-OCT-2000 00:55

Client ID: 246MS-IF

Instrument: v2.i

Sample Info: RFW,71643008,246MS-IF,V2B1017B,,71643

Purge Volume: 25.0

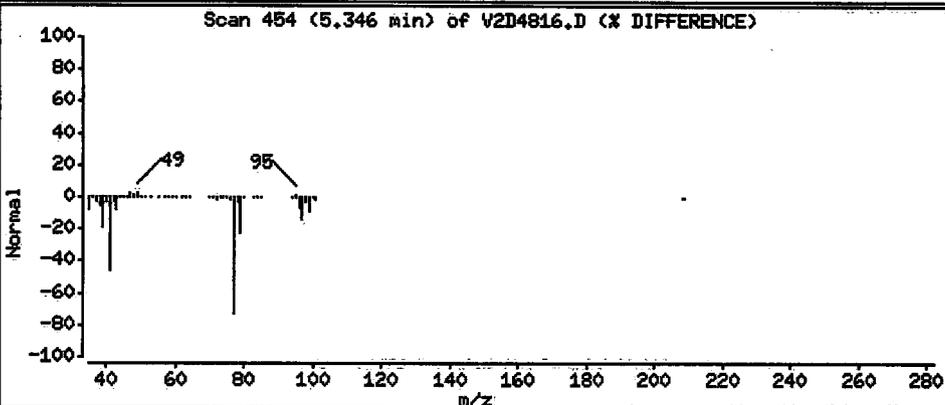
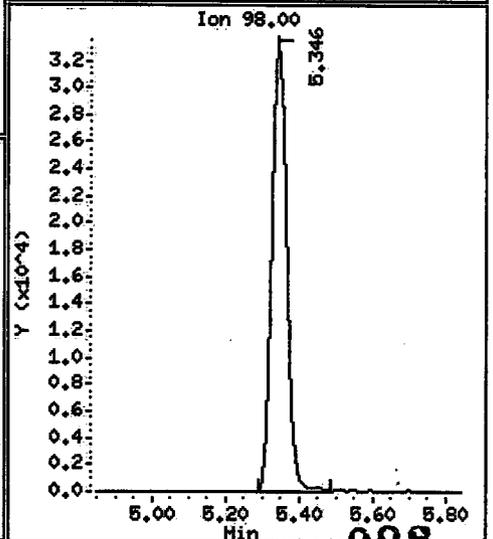
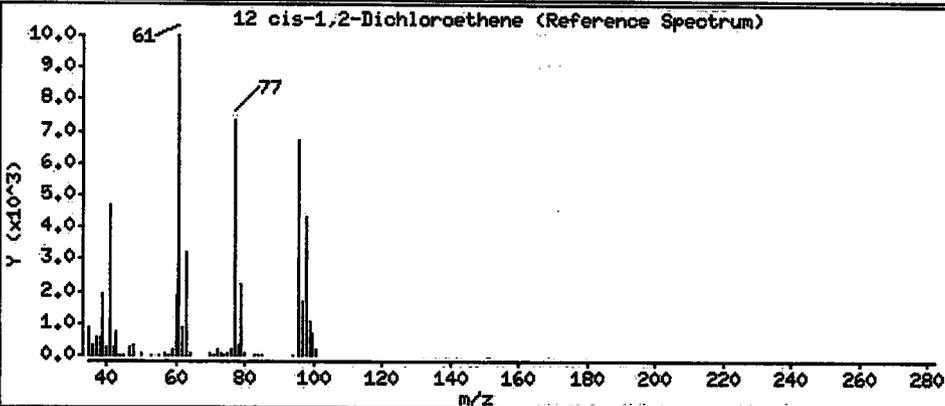
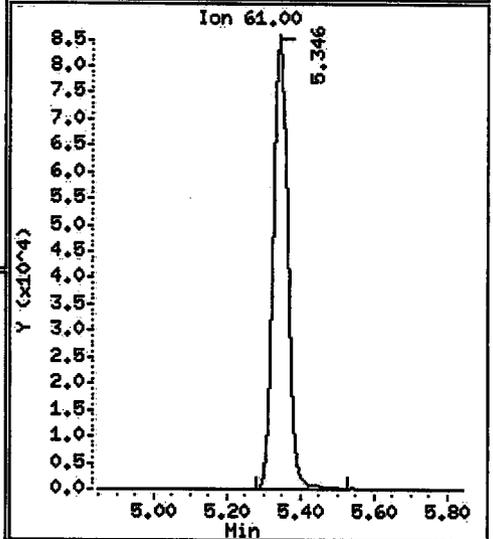
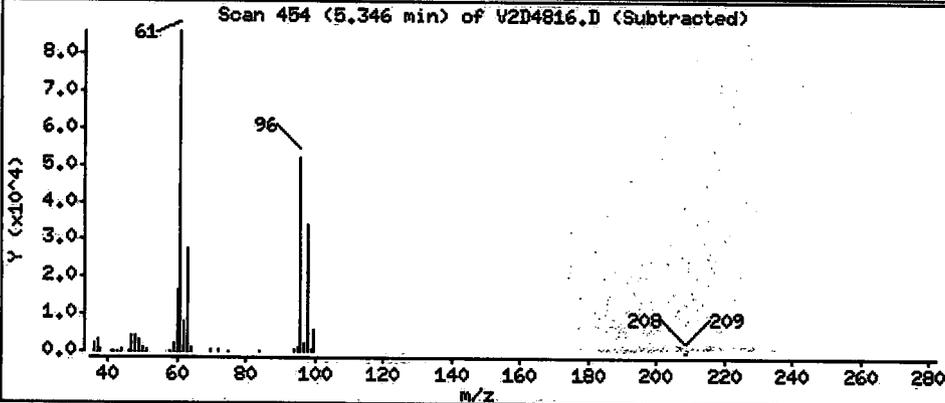
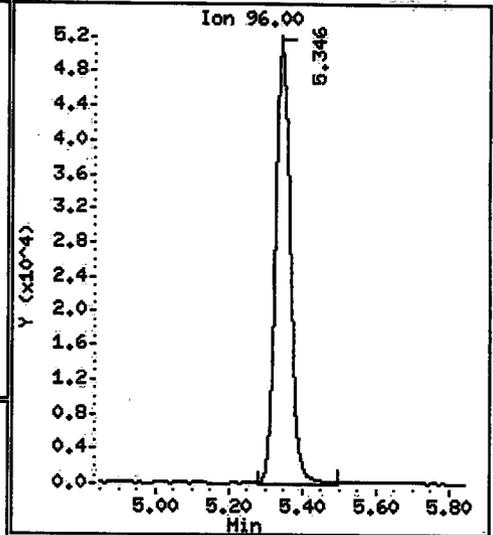
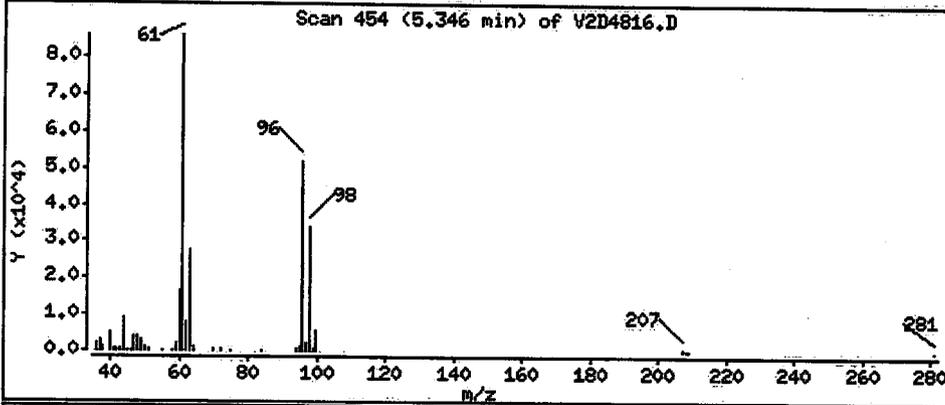
Operator: JT

Column phase: DB-624

Column diameter: 0.25

12 cis-1,2-Dichloroethene

Concentration: 7 ug/L



088

Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001017A.B\2D4816.D

Date: 18-OCT-2000 00:55

Client ID: 246MS-IF

Instrument: v2.i

Sample Info: RFH,71643008,246MS-IF,V2B1017B,,71643

Purge Volume: 25.0

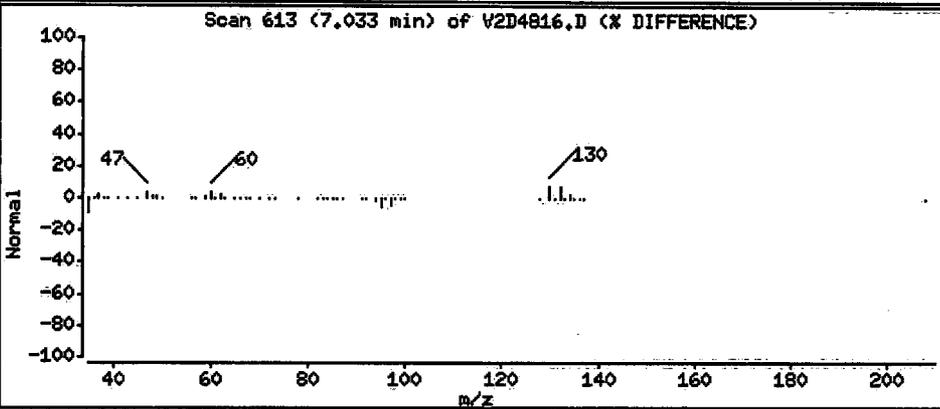
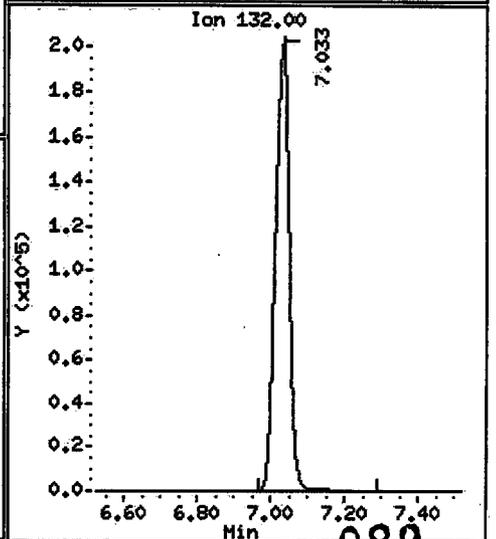
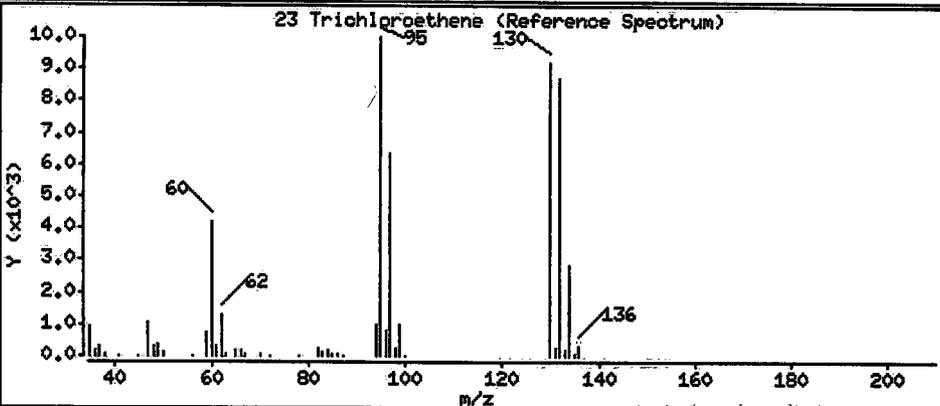
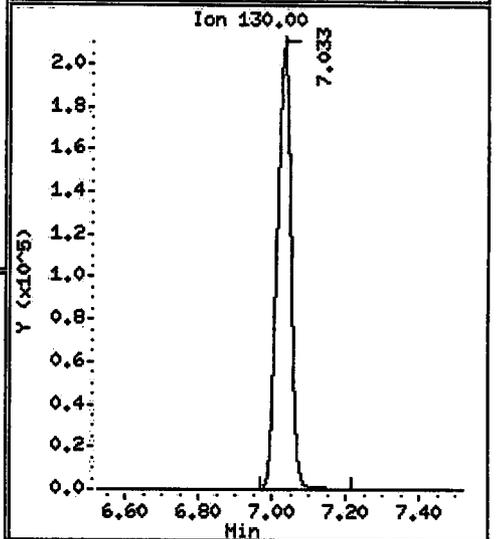
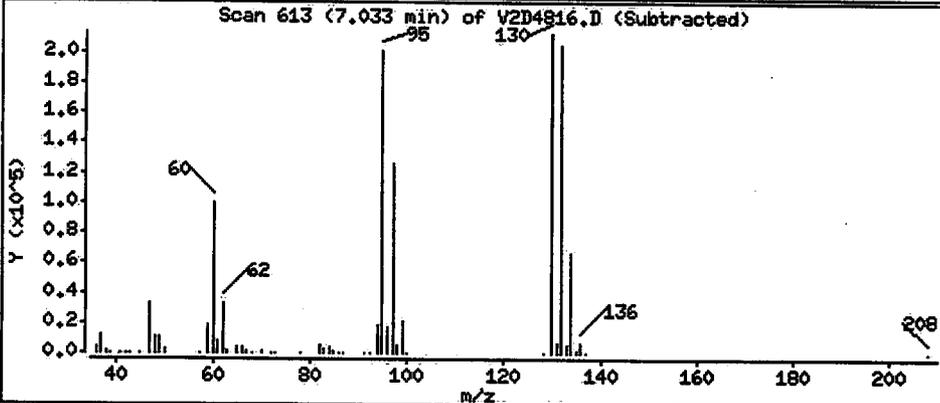
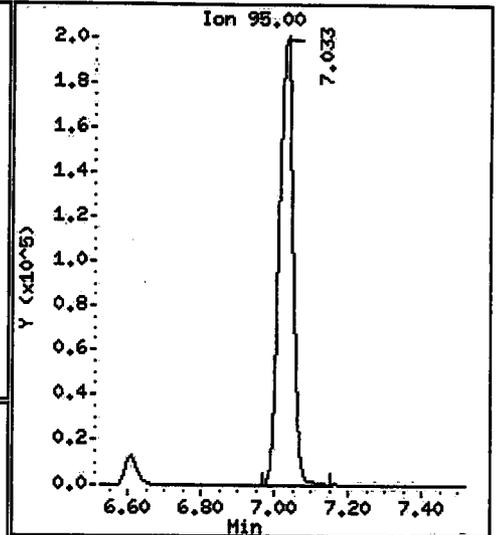
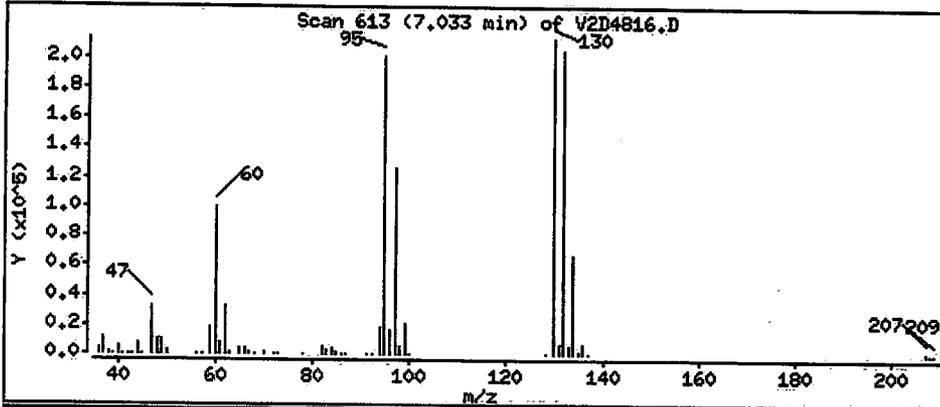
Operator: JT

Column phase: DB-624

Column diameter: 0.25

23 Trichloroethene

Concentration: 28 ug/L



009

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643015

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4839

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643015

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4839

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
100-41-4	Ethylbenzene	0.5 U
136777-61-2	m,p-Xylene	0.5 U
95-47-6	o-Xylene	0.5 U
100-42-5	Styrene	0.5 U
75-25-2	Bromoform	0.5 U
98-82-8	Isopropylbenzene	0.5 U
79-34-5	1,1,2,2-Tetrachloroethane	0.5 U
108-86-1	Bromobenzene	0.5 U
96-18-4	1,2,3-Trichloropropane	0.5 U
103-65-1	n-Propylbenzene	0.5 U
95-49-8	2-Chlorotoluene	0.5 U
108-67-8	1,3,5-Trimethylbenzene	0.5 U
106-43-4	4-Chlorotoluene	0.5 U
98-06-6	tert-Butylbenzene	0.5 U
95-63-6	1,2,4-Trimethylbenzene	0.5 U
135-98-8	sec-Butylbenzene	0.5 U
541-73-1	1,3-Dichlorobenzene	0.5 U
99-87-6	4-Isopropyltoluene	0.5 U
106-46-7	1,4-Dichlorobenzene	0.5 U
104-51-8	n-Butylbenzene	0.5 U
95-50-1	1,2-Dichlorobenzene	0.5 U
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del> R
120-82-1	1,2,4-Trichlorobenzene	0.5 U
87-68-3	Hexachlorobutadiene	0.5 U
91-20-3	Naphthalene	0.5 U
87-61-6	1,2,3-Trichlorobenzene	0.5 U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643015

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4839

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\2D4839.D

Date : 18-OCT-2000 14:31

Client ID: 247WS-CF

Sample Info: RFN,71643015,247WS-EF,V2B1018A,,71643

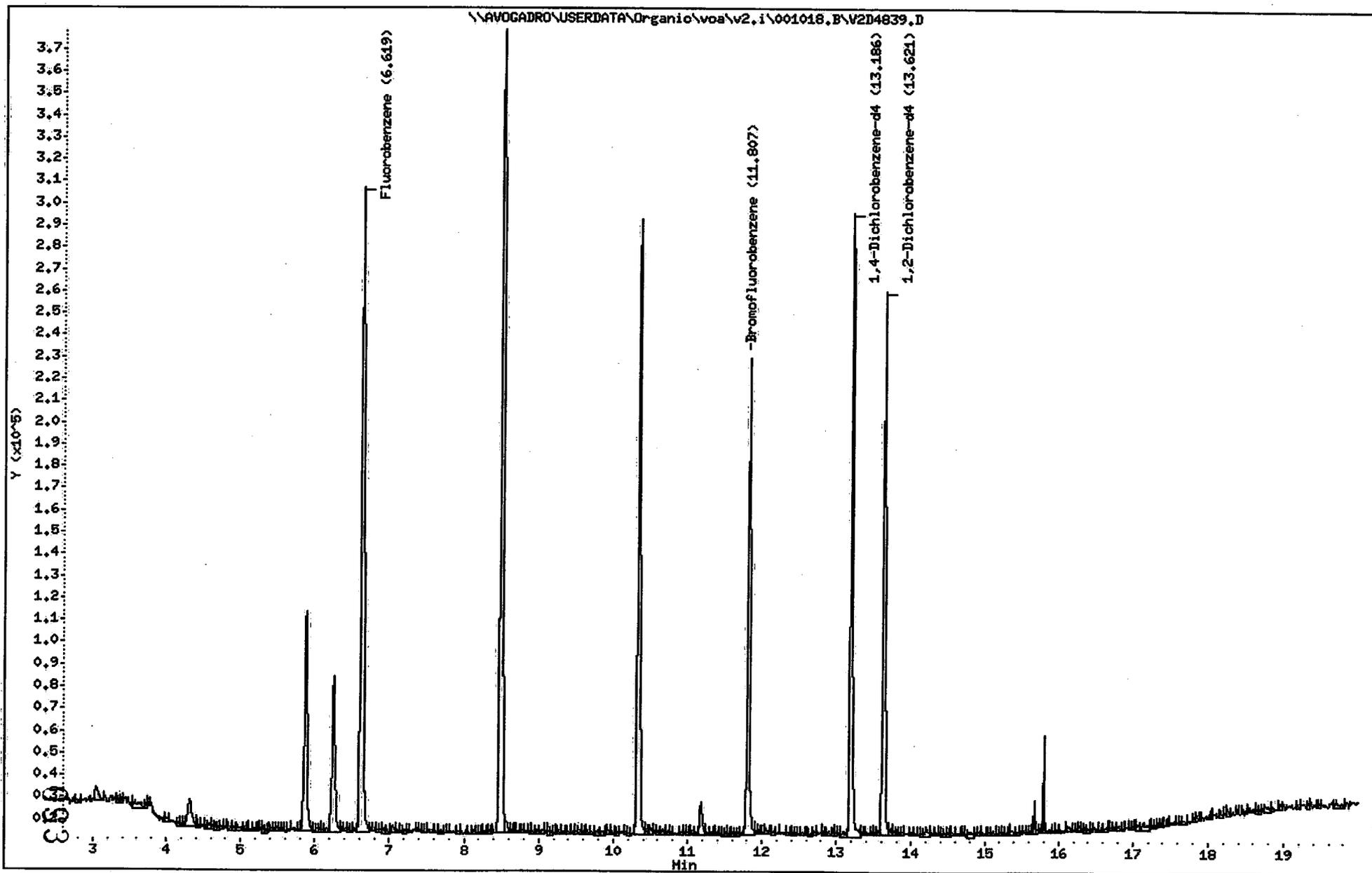
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4839.D  
 Lab Smp Id: 71643015 Client Smp ID: 247WS-CF  
 Inj Date : 18-OCT-2000 14:31  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW, 71643015, 247WS-EF, V2B1018A, , 71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 8  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
10 Methyl tert-butyl ether	73	4.318	4.310	(0.651)	18947	0.96155	1.0
* 22 Fluorobenzene	96	6.630	6.612	(1.000)	318119	5.00000	
\$ 44 Bromofluorobenzene	95	11.807	11.799	(1.781)	86345	4.93145	5
* 57 1,4-Dichlorobenzene-d4	152	13.186	13.178	(1.000)	95935	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.621	13.613	(1.033)	80600	5.19989	5

*Handwritten:* A9  
 10/24/00  
 K

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4839.D  
Report Date: 25-Oct-2000 16:34

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4839.D  
Lab Smp Id: 71643015 Client Smp ID: 247WS-CF  
Inj Date : 18-OCT-2000 14:31  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643015,247WS-EF,V2B1018A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 8  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Date : 18-OCT-2000 14:31

Client ID: 247MS-CF

Instrument: v2.1

Sample Info: RFW,71643015,247MS-EF,V2B1018A,,71643

Purge Volume: 25.0

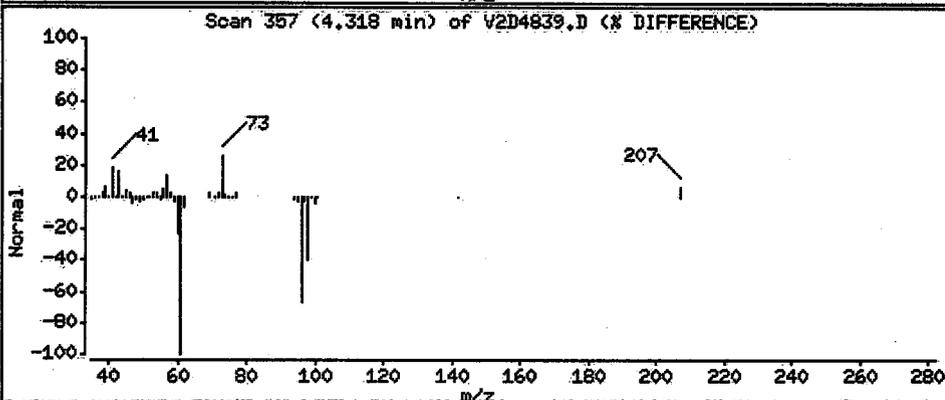
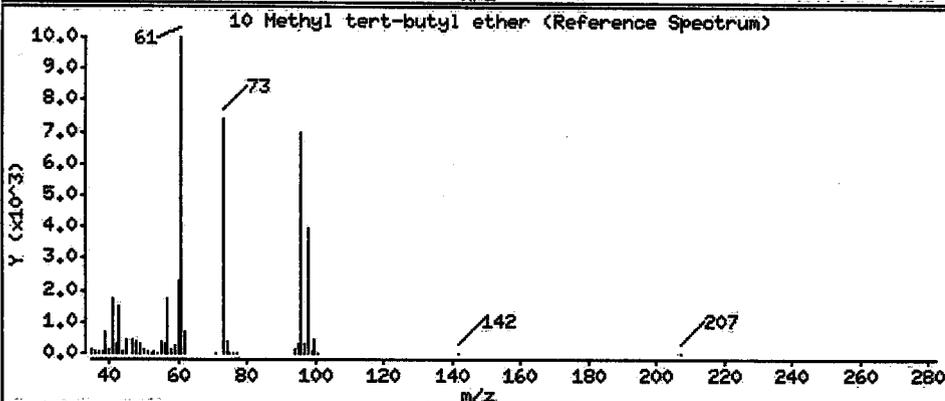
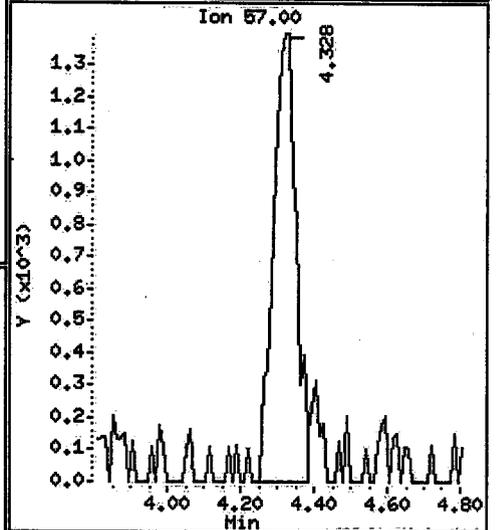
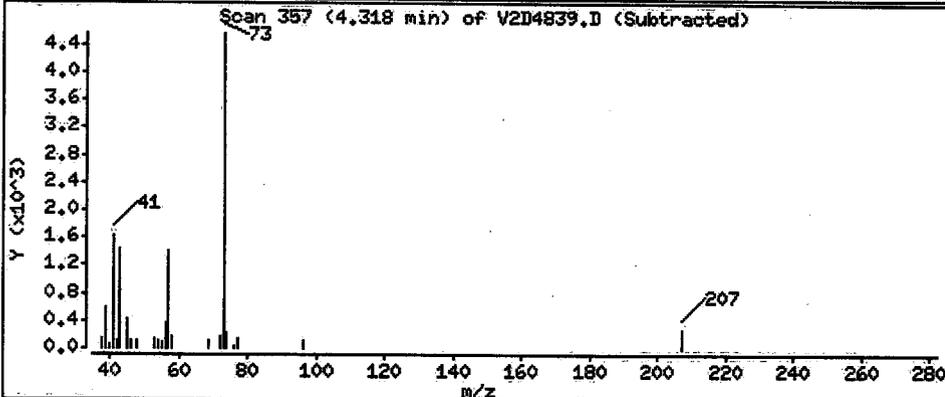
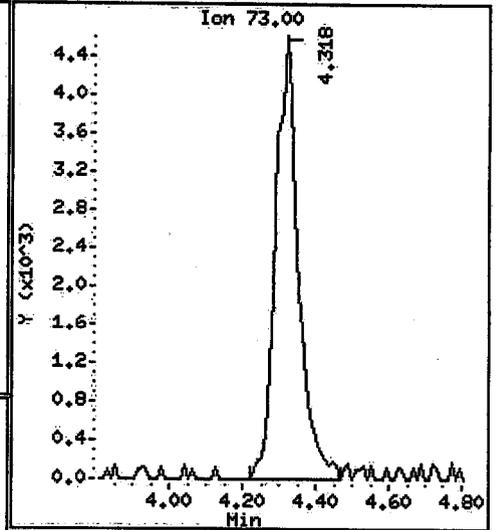
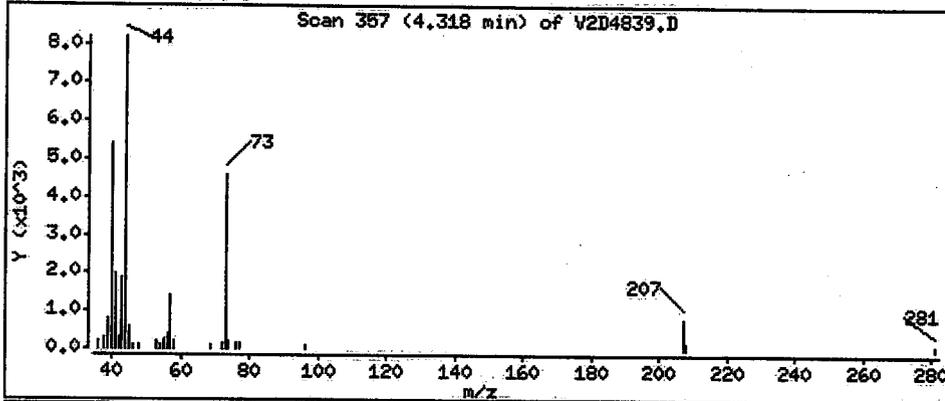
Operator: JT

Column phase: DB-624

Column diameter: 0.25

10 Methyl tert-butyl ether

Concentration: 1.0 ug/L



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643016

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4819

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643016

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4819

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643016

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4819

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4819.D

Date : 18-OCT-2000 02:35

Client ID: 247WS-EF

Sample Info: RFM,71643016,247WS-EF,V2B1017B,,71643

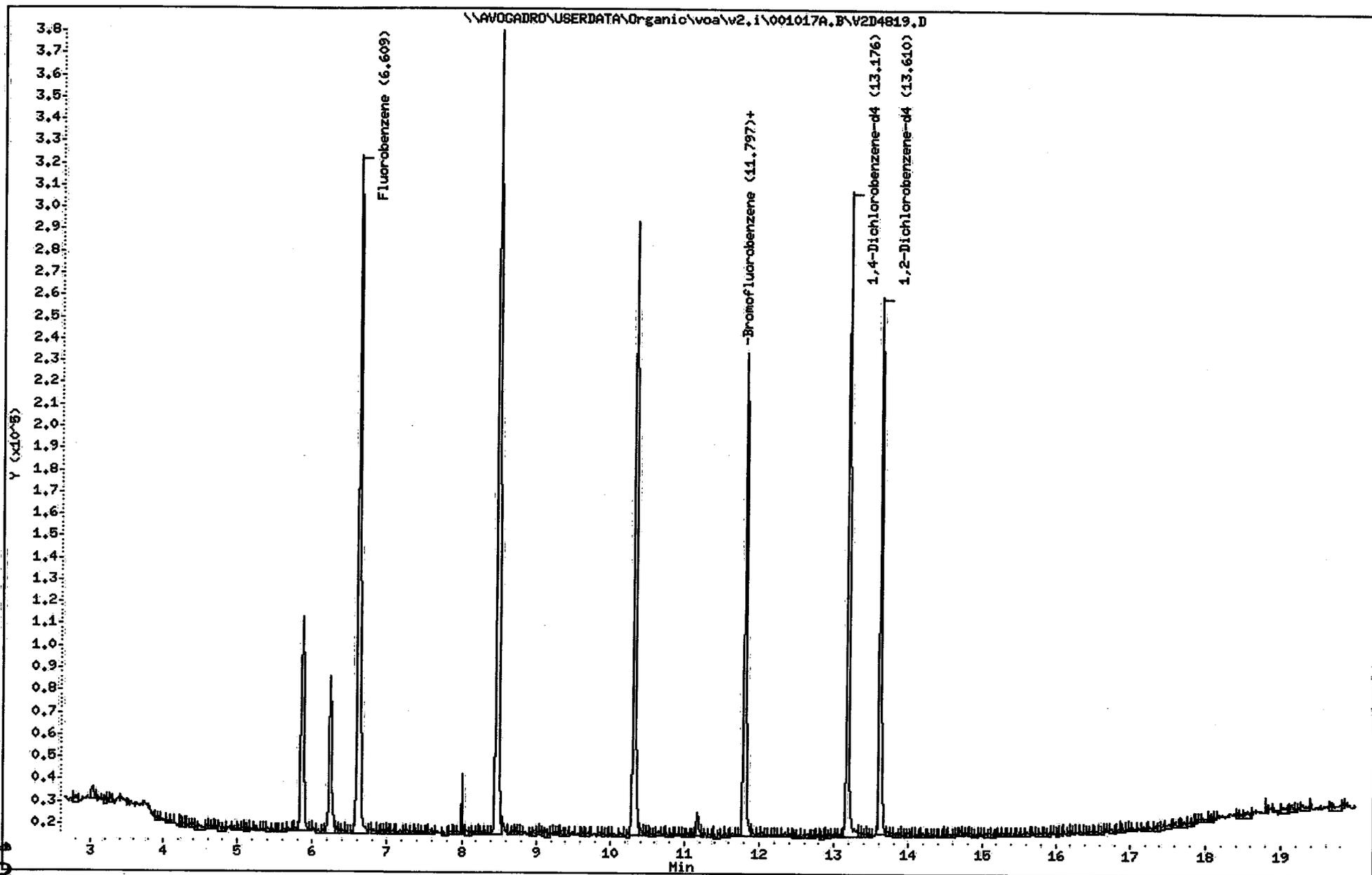
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4819.D  
 Report Date: 25-Oct-2000 16:42

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4819.D  
 Lab Smp Id: 71643016 Client Smp ID: 247WS-EF  
 Inj Date : 18-OCT-2000 02:35  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643016,247WS-EF,V2B1017B,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 29  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	CONCENTRATIONS					
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.609	6.598	(1.000)	326267	5.00000	
\$ 44 Bromofluorobenzene	95	11.797	11.785	(1.785)	86746	4.83062	5
* 57 1,4-Dichlorobenzene-d4	152	13.176	13.174	(1.000)	95143	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.610	13.609	(1.033)	79409	5.16569	5

*[Handwritten signature]*  
 10/25/00

Data File: V2D4819.D  
Report Date: 25-Oct-2000 16:42

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4819.D  
Lab Smp Id: 71643016 Client Smp ID: 247WS-EF  
Inj Date : 18-OCT-2000 02:35  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643016,247WS-EF,V2B1017B,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 29  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643014

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4838

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643014

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4838

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	D
136777-61-2	m,p-Xylene	0.5	D
95-47-6	o-Xylene	0.5	D
100-42-5	Styrene	0.5	D
75-25-2	Bromoform	0.5	D
98-82-8	Isopropylbenzene	0.5	D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	D
108-86-1	Bromobenzene	0.5	D
96-18-4	1,2,3-Trichloropropane	0.5	D
103-65-1	n-Propylbenzene	0.5	D
95-49-8	2-Chlorotoluene	0.5	D
108-67-8	1,3,5-Trimethylbenzene	0.5	D
106-43-4	4-Chlorotoluene	0.5	D
98-06-6	tert-Butylbenzene	0.5	D
95-63-6	1,2,4-Trimethylbenzene	0.5	D
135-98-8	sec-Butylbenzene	0.5	D
541-73-1	1,3-Dichlorobenzene	0.5	D
99-87-6	4-Isopropyltoluene	0.5	D
106-46-7	1,4-Dichlorobenzene	0.5	D
104-51-8	n-Butylbenzene	0.5	D
95-50-1	1,2-Dichlorobenzene	0.5	D
96-12-8	1,2-Dibromo-3-chloropropane	0.5	D
120-82-1	1,2,4-Trichlorobenzene	0.5	D
87-68-3	Hexachlorobutadiene	0.5	D
91-20-3	Naphthalene	0.5	D
87-61-6	1,2,3-Trichlorobenzene	0.5	D

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

247WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643014

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4838

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\2D4838.D

Date : 18-OCT-2000 13:58

Client ID: 247MS-IF

Sample Info: RFW,71643014,247MS-IF,V2B1018A,,71643

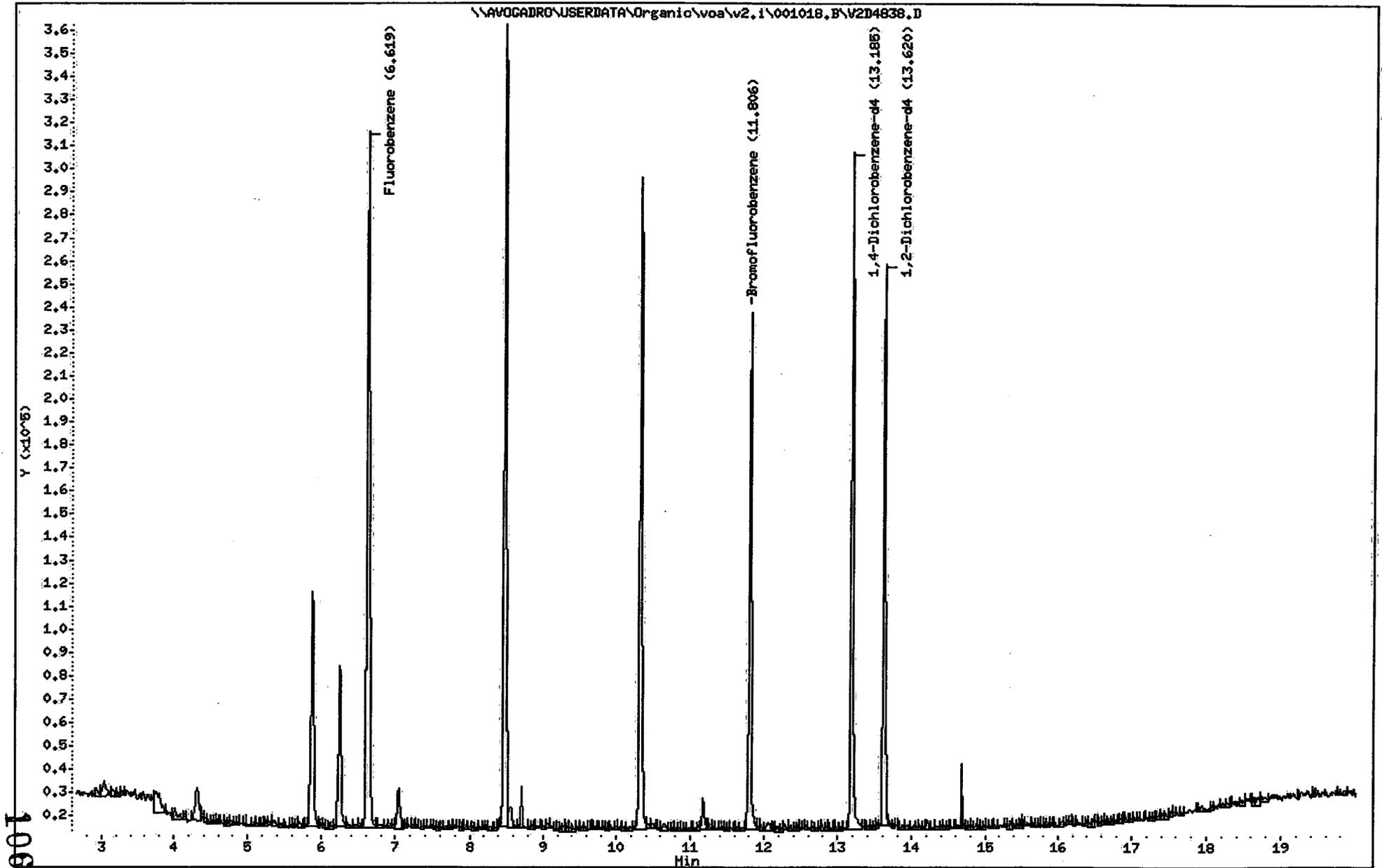
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4838.D  
 Lab Smp Id: 71643014 Client Smp ID: 247WS-IF  
 Inj Date : 18-OCT-2000 13:58  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643014,247WS-IF,V2B1018A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 7  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96		6.619	6.612	(1.000)	314299	5.00000	
\$ 44 Bromofluorobenzene	95		11.806	11.799	(1.784)	86358	4.99213	5
* 57 1,4-Dichlorobenzene-d4	152		13.185	13.178	(1.000)	95401	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152		13.620	13.613	(1.033)	81043	5.25773	5

*Ag*  
 10 / 24 / 00

*h*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4838.D  
Report Date: 25-Oct-2000 16:34

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4838.D  
Lab Smp Id: 71643014 Client Smp ID: 247WS-IF  
Inj Date : 18-OCT-2000 13:58  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643014,247WS-IF,V2B1018A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 7  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WF-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643003

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4805

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WF-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643003

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4805

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.                      COMPOUND                      CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L                      Q

100-41-4-----Ethylbenzene	0.5	U
136777-61-2-----m,p-Xylene	0.5	U
95-47-6-----o-Xylene	0.5	U
100-42-5-----Styrene	0.5	U
75-25-2-----Bromoform	0.5	U
98-82-8-----Isopropylbenzene	0.5	U
79-34-5-----1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----Bromobenzene	0.5	U
96-18-4-----1,2,3-Trichloropropane	0.5	U
103-65-1-----n-Propylbenzene	0.5	U
95-49-8-----2-Chlorotoluene	0.5	U
108-67-8-----1,3,5-Trimethylbenzene	0.5	U
106-43-4-----4-Chlorotoluene	0.5	U
98-06-6-----tert-Butylbenzene	0.5	U
95-63-6-----1,2,4-Trimethylbenzene	0.5	U
135-98-8-----sec-Butylbenzene	0.5	U
541-73-1-----1,3-Dichlorobenzene	0.5	U
99-87-6-----4-Isopropyltoluene	0.5	U
106-46-7-----1,4-Dichlorobenzene	0.5	U
104-51-8-----n-Butylbenzene	0.5	U
95-50-1-----1,2-Dichlorobenzene	0.5	U
96-12-8-----1,2-Dibromo-3-chloropropane	<del>0.5</del>	<del>U</del>
120-82-1-----1,2,4-Trichlorobenzene	0.5	U
87-68-3-----Hexachlorobutadiene	0.5	U
91-20-3-----Naphthalene	0.5	U
87-61-6-----1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

250WF-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643003

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4805

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4805.D

Date : 17-OCT-2000 19:06

Client ID: 250WF-EF

Sample Info: RFM,71643003,250WS-EF,V2B1017A,,71643

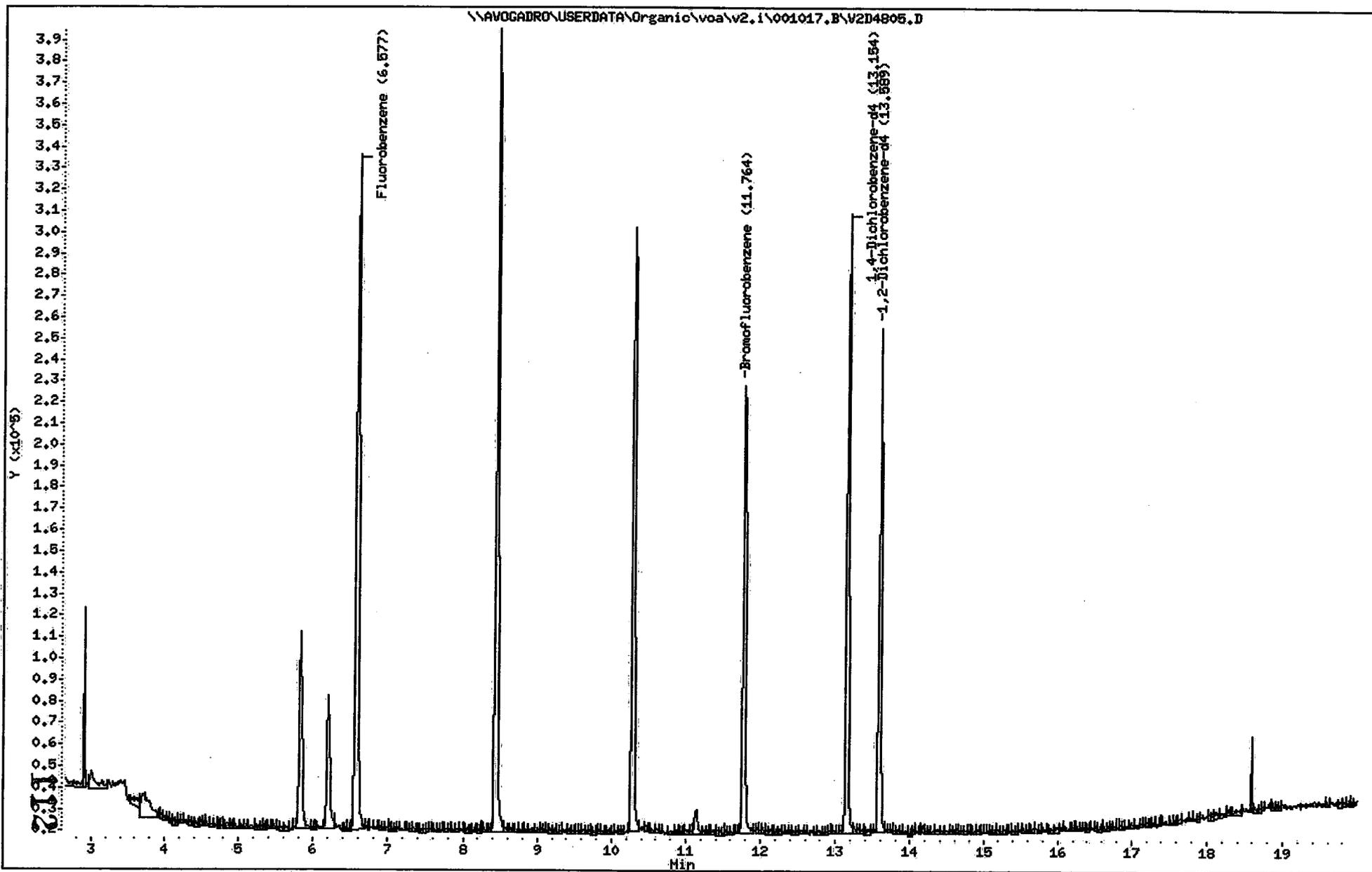
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4805.D  
 Lab Smp Id: 71643003 Client Smp ID: 250WF-EF  
 Inj Date : 17-OCT-2000 19:05  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643003,250WS-EF,V2B1017A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 15  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)
* 22 Fluorobenzene	96	6.577	6.516	(1.000)	325775	5.00000	
\$ 44 Bromofluorobenzene	95	11.764	11.714	(1.789)	86823	4.84221	5
* 57 1,4-Dichlorobenzene-d4	152	13.154	13.104	(1.000)	89359	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.589	13.539	(1.033)	72001	4.98696	5

*Ag*  
 10/24/00

*K*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4805.D  
Report Date: 25-Oct-2000 16:52

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4805.D  
Lab Smp Id: 71643003 Client Smp ID: 250WF-EF  
Inj Date : 17-OCT-2000 19:05  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643003,250WS-EF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mt1 Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 15  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643002

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4804

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643002

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4804

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del>	R
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

250WS-CF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643002

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4804

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4804.D

Date : 17-OCT-2000 18:34

Client ID: 250WS-CF

Sample Info: RFW,71643002,250WS-CF,V2B1017A,,71643

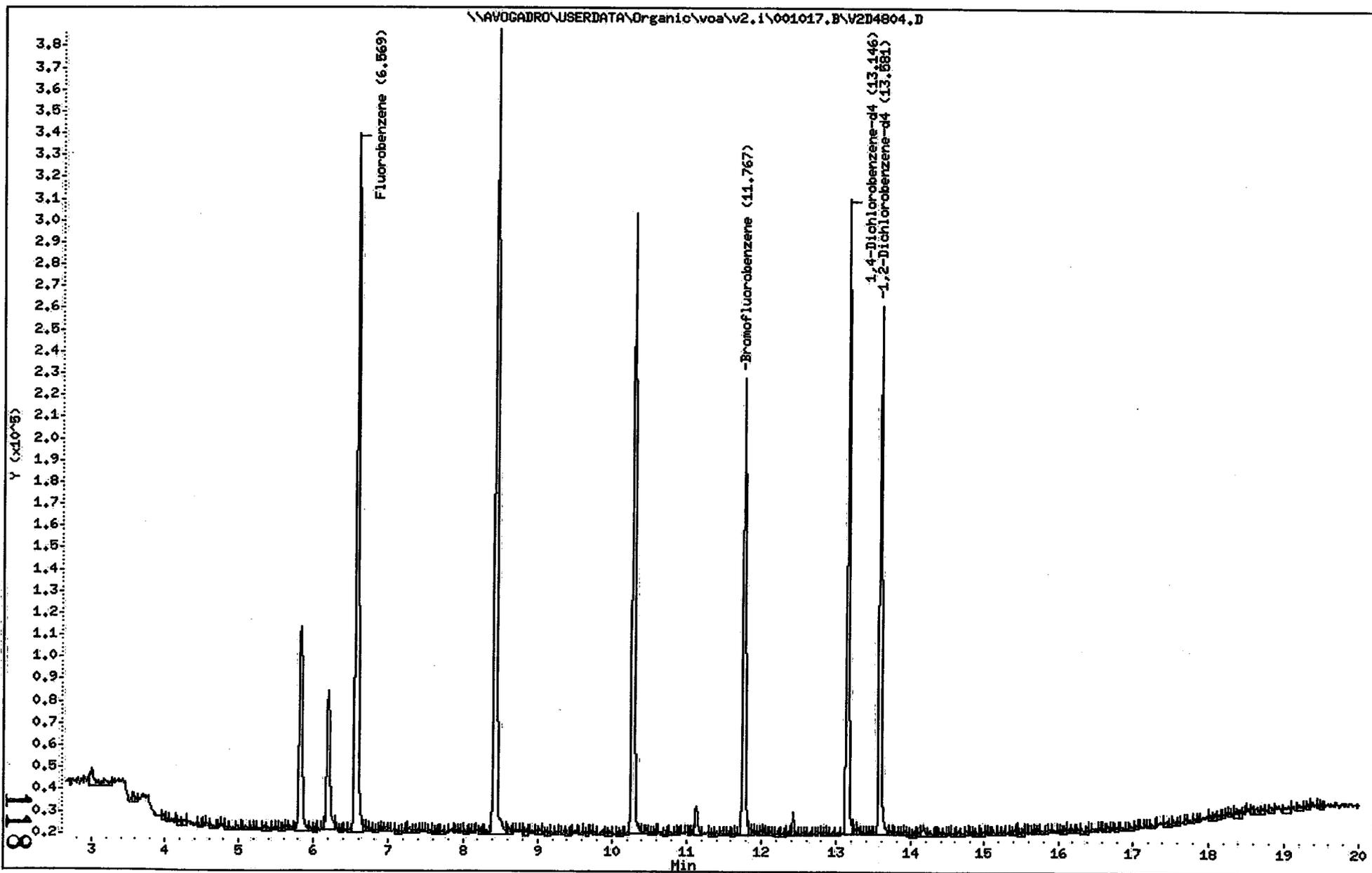
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4804.D  
 Lab Smp Id: 71643002 Client Smp ID: 250WS-CF  
 Inj Date : 17-OCT-2000 18:34  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643002,250WS-CF,V2B1017A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 14  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)
1 Dichlorodifluoromethane	85	1.902	1.860	(0.290)	32865	2.20193	2
* 22 Fluorobenzene	96	6.569	6.516	(1.000)	327762	5.00000	
\$ 44 Bromofluorobenzene	95	11.767	11.714	(1.791)	86321	4.78503	5
* 57 1,4-Dichlorobenzene-d4	152	13.146	13.104	(1.000)	90522	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.581	13.539	(1.033)	73056	4.99502	5

*Handwritten:* A9  
 10/24/00  
 K

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4804.D  
Report Date: 25-Oct-2000 16:51

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4804.D  
Lab Smp Id: 71643002 Client Smp ID: 250WS-CF  
Inj Date : 17-OCT-2000 18:34  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643002,250WS-CF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 14  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.1\001017.B\V2D4804.D

Date : 17-OCT-2000 18:34

Client ID: 250WS-CF

Instrument: v2.1

Sample Info: RFW,71643002,250WS-CF,V2B1017A,,71643

Purge Volume: 25.0

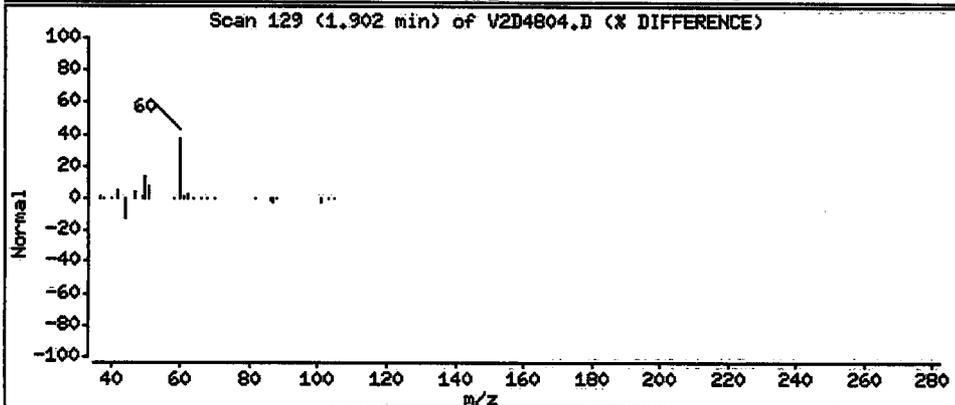
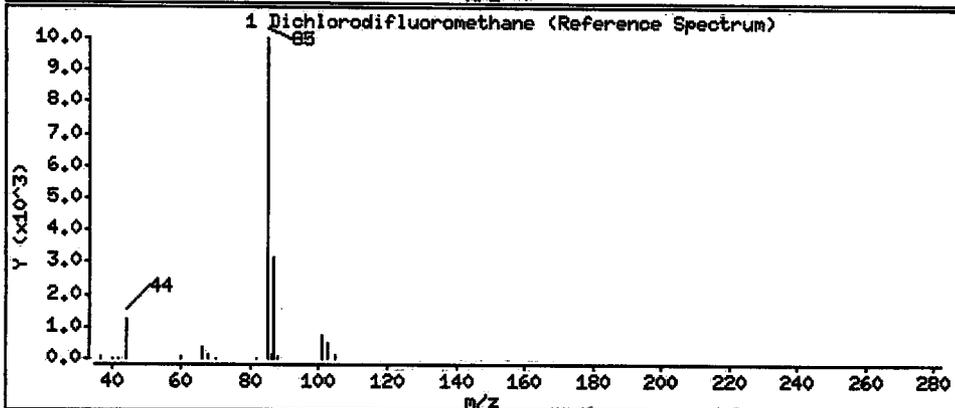
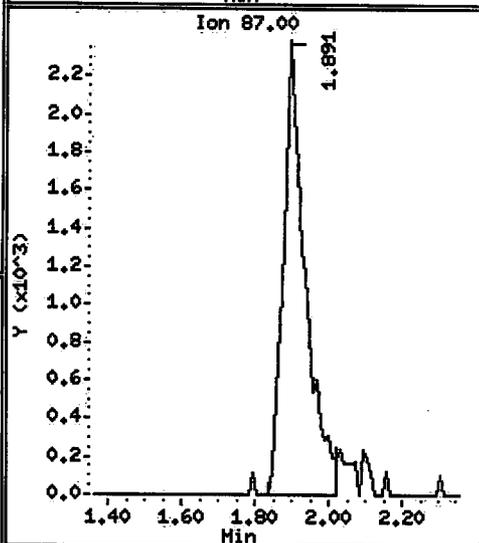
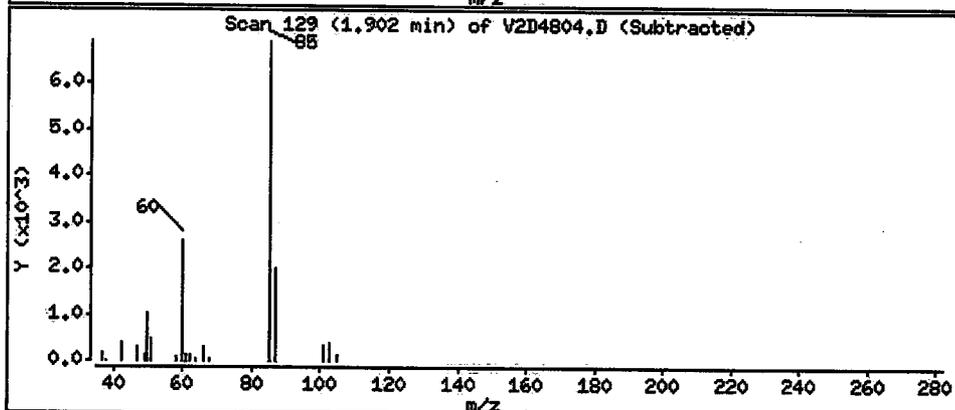
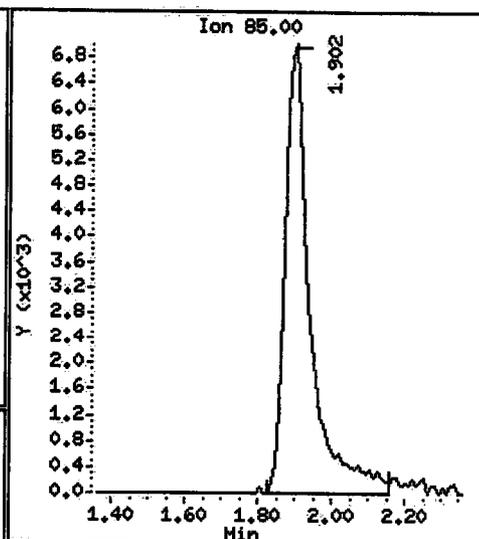
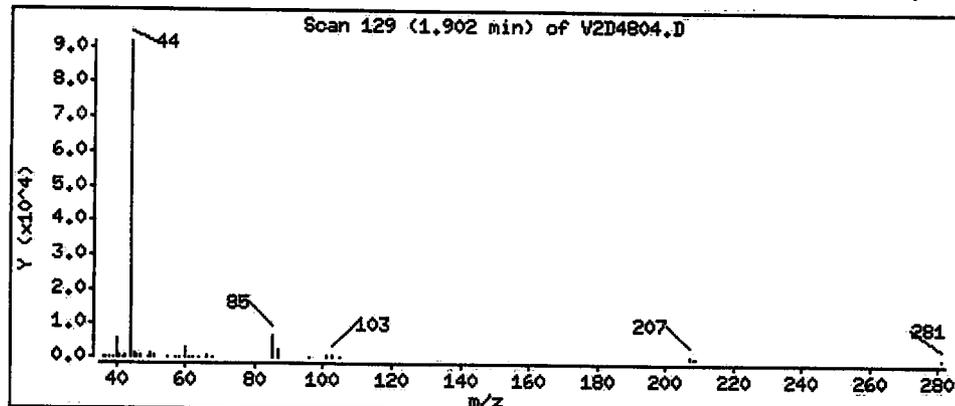
Operator: JT

Column phase: DB-624

Column diameter: 0.25

1 Dichlorodifluoromethane

Concentration: 2 ug/L



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643001

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4803

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
75-71-8	Dichlorodifluoromethane	2
74-87-3	Chloromethane	0.5 U
75-01-4	Vinyl Chloride	0.5 U
74-83-9	Bromomethane	0.5 U
75-00-3	Chloroethane	0.5 U
75-69-4	Trichlorofluoromethane	0.5 U
75-35-4	1,1-Dichloroethene	0.5 U
75-09-2	Methylene Chloride	0.5 U
156-60-5	trans-1,2-Dichloroethene	0.5 U
1634-04-4	Methyl tert-butyl ether	0.5 U
75-34-3	1,1-Dichloroethane	0.5 U
156-59-2	cis-1,2-Dichloroethene	0.5 U
590-20-7	2,2-Dichloropropane	0.5 U
107-06-2	1,2-Dichloroethane	0.5 U
74-97-5	Bromochloromethane	0.5 U
67-66-3	Chloroform	0.5 U
56-23-5	Carbon Tetrachloride	0.5 U
71-55-6	1,1,1-Trichloroethane	0.5 U
563-58-6	1,1-Dichloropropene	0.5 U
79-01-6	Trichloroethene	6
78-87-5	1,2-Dichloropropane	0.5 U
71-43-2	Benzene	0.5 U
74-95-3	Dibromomethane	0.5 U
75-27-4	Bromodichloromethane	0.5 U
10061-01-5	cis-1,3-Dichloropropene	0.5 U
108-88-3	Toluene	0.5 U
10061-02-6	trans-1,3-Dichloropropene	0.5 U
79-00-5	1,1,2-Trichloroethane	0.5 U
127-18-4	Tetrachloroethene	0.5 U
142-28-9	1,3-Dichloropropane	0.5 U
124-48-1	Dibromochloromethane	0.5 U
106-93-4	1,2-Dibromoethane	0.5 U
108-90-7	Chlorobenzene	0.5 U
630-20-6	1,1,1,2-Tetrachloroethane	0.5 U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643001

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4803

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del>	R
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

250WS-IF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643001

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4803

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4803.D

Date : 17-OCT-2000 18:04

Client ID: 250WS-IF

Sample Info: RFM,71643001,250WS-IF,V2B1017A,,71643

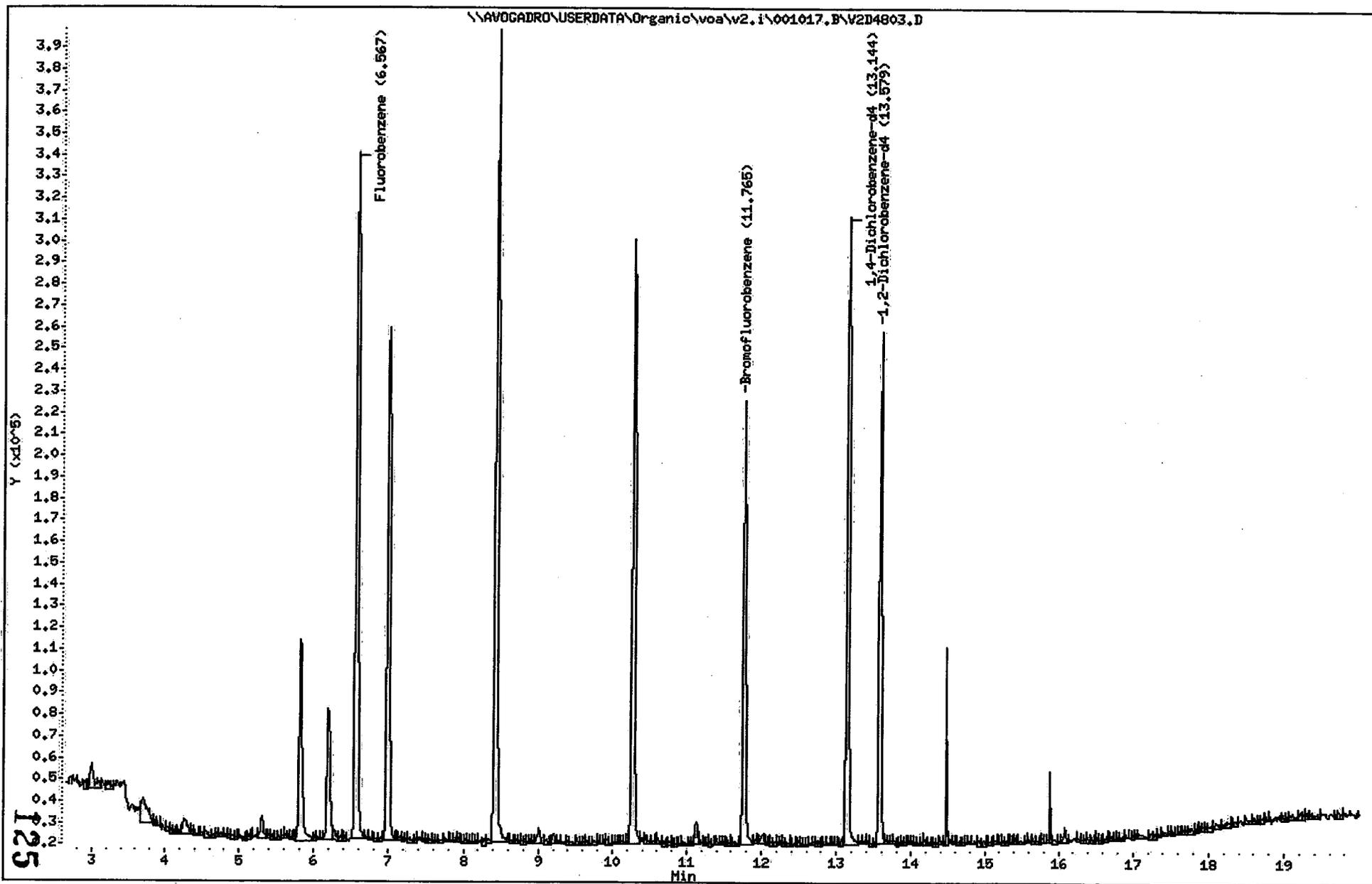
Purge Volume: 25,0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0,25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4803.D  
 Lab Smp Id: 71643001 Client Smp ID: 250WS-IF  
 Inj Date : 17-OCT-2000 18:04  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643001,250WS-IF,V2B1017A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 13  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
1 Dichlorodifluoromethane	85	1.900	1.860	(0.289)	30540	2.05186	2
* 22 Fluorobenzene	96	6.567	6.516	(1.000)	326851	5.00000	
23 Trichloroethene	95	6.991	6.930	(1.065)	98657	5.62931	6
\$ 44 Bromofluorobenzene	95	11.754	11.714	(1.790)	88637	4.92711	5
* 57 1,4-Dichlorobenzene-d4	152	13.144	13.104	(1.000)	91934	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.579	13.539	(1.033)	75794	5.10263	5

*Handwritten:* A9  
 10/24/00  
 K

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4803.D  
Report Date: 25-Oct-2000 16:51

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4803.D  
Lab Smp Id: 71643001 Client Smp ID: 250WS-IF  
Inj Date : 17-OCT-2000 18:04  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643001,250WS-IF,V2B1017A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 13  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\AVOCADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4803.D

Date: 17-OCT-2000 18:04

Client ID: 250WS-IF

Instrument: v2.i

Sample Info: RFM,71643001,250WS-IF,V2B1017A,,71643

Purge Volume: 25.0

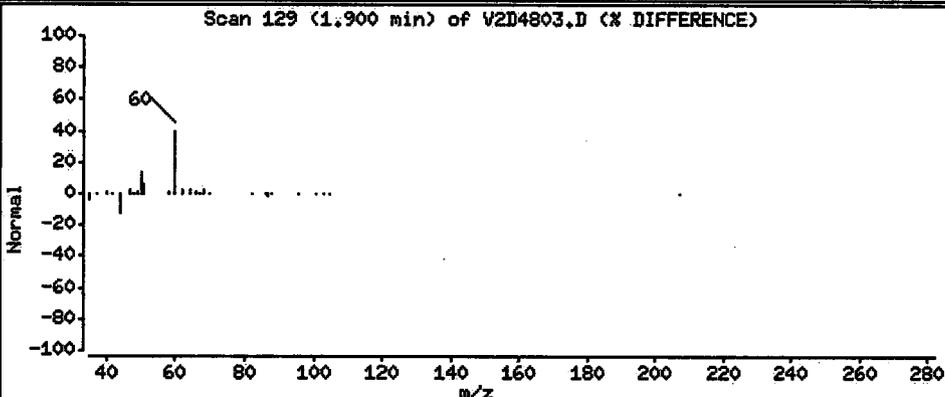
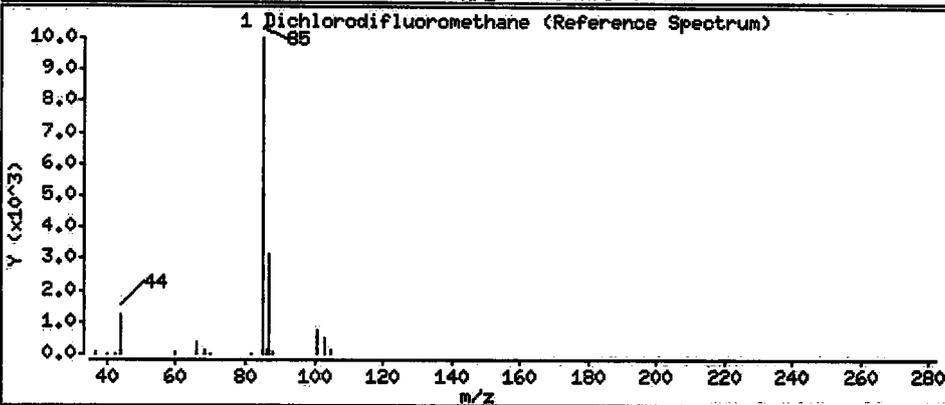
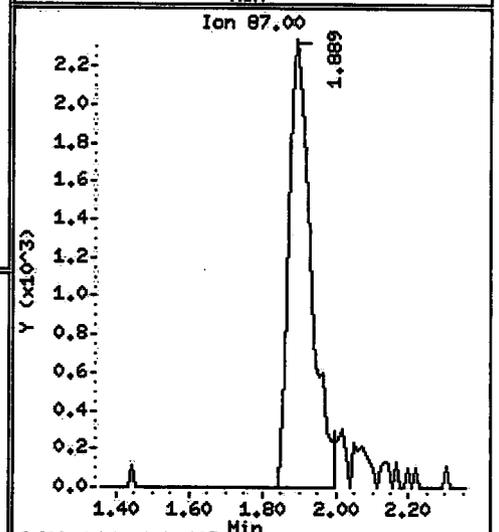
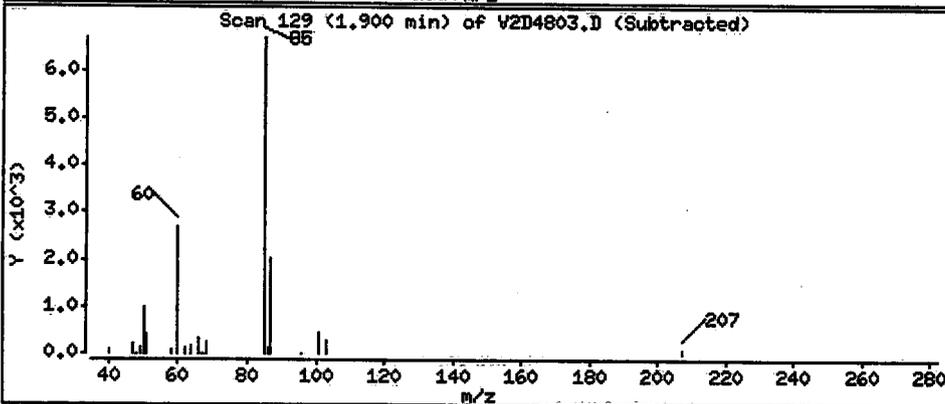
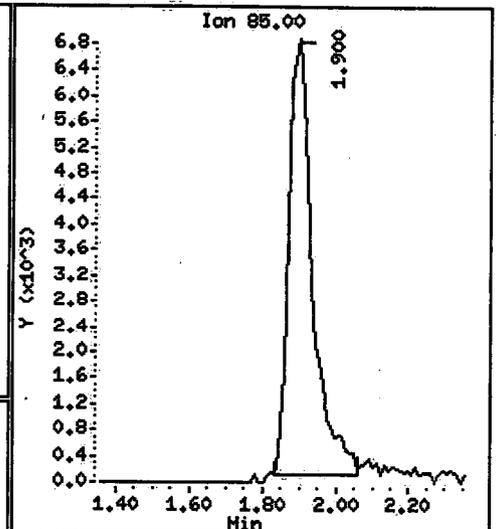
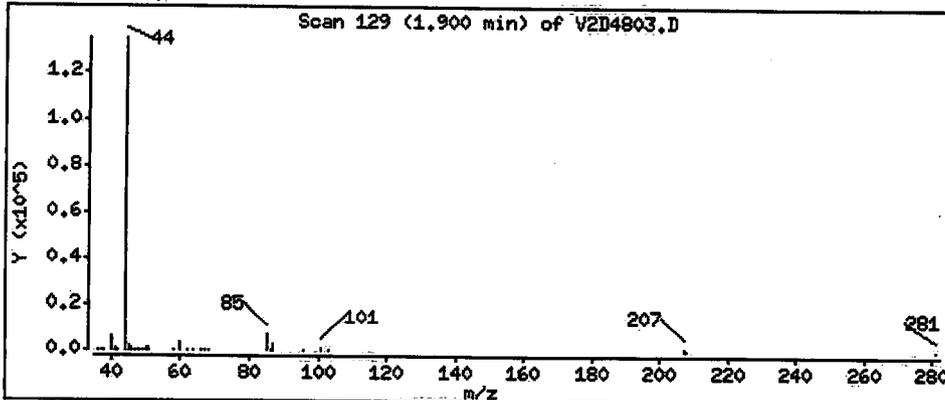
Operator: JT

Column phase: DB-624

Column diameter: 0.25

1 Dichlorodifluoromethane

Concentration: 2 ug/L



Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001017.B\V2D4803.D

Date : 17-OCT-2000 18:04

Client ID: 250WS-IF

Instrument: v2.i

Sample Info: RFW,71643001,250WS-IF,V2B1017A,,71643

Purge Volume: 25.0

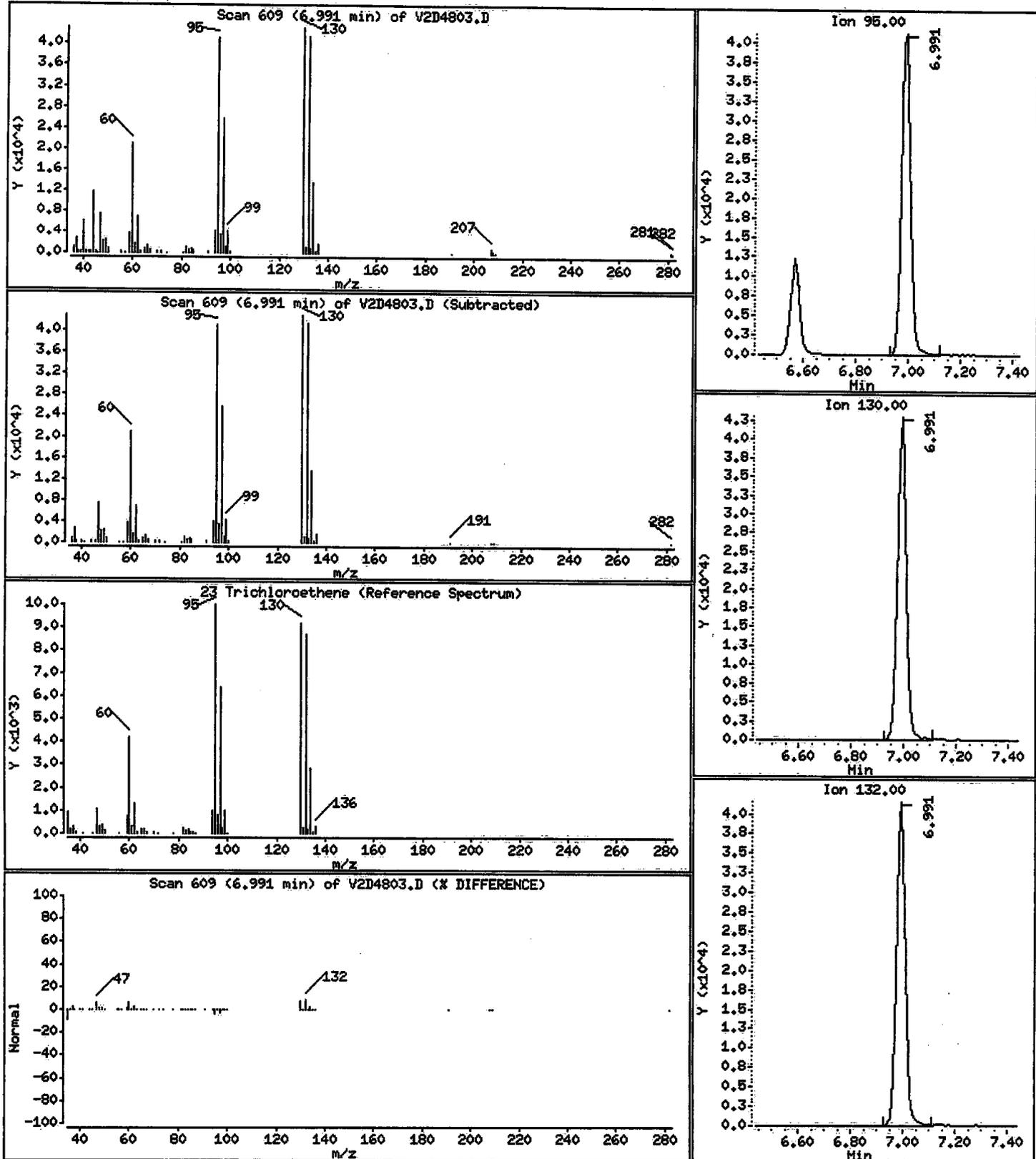
Operator: JT

Column phase: DB-624

Column diameter: 0.25

23 Trichloroethene

Concentration: 6 ug/L



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643007

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4834

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643007

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4834

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	D
136777-61-2	m,p-Xylene	0.5	D
95-47-6	o-Xylene	0.5	D
100-42-5	Styrene	0.5	D
75-25-2	Bromoform	0.5	D
98-82-8	Isopropylbenzene	0.5	D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	D
108-86-1	Bromobenzene	0.5	D
96-18-4	1,2,3-Trichloropropane	0.5	D
103-65-1	n-Propylbenzene	0.5	D
95-49-8	2-Chlorotoluene	0.5	D
108-67-8	1,3,5-Trimethylbenzene	0.5	D
106-43-4	4-Chlorotoluene	0.5	D
98-06-6	tert-Butylbenzene	0.5	D
95-63-6	1,2,4-Trimethylbenzene	0.5	D
135-98-8	sec-Butylbenzene	0.5	D
541-73-1	1,3-Dichlorobenzene	0.5	D
99-87-6	4-Isopropyltoluene	0.5	D
106-46-7	1,4-Dichlorobenzene	0.5	D
104-51-8	n-Butylbenzene	0.5	D
95-50-1	1,2-Dichlorobenzene	0.5	D
96-12-8	1,2-Dibromo-3-chloropropane	0.5	D
120-82-1	1,2,4-Trichlorobenzene	0.5	D
87-68-3	Hexachlorobutadiene	0.5	D
91-20-3	Naphthalene	0.5	D
87-61-6	1,2,3-Trichlorobenzene	0.5	D

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

420WS-EF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643007

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4834

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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23.				
24.				
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28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4834.D

Date : 18-OCT-2000 12:19

Client ID: 420MS-EF

Sample Info: RFW,71643007,420MS-EF,V2B1018A,,71643

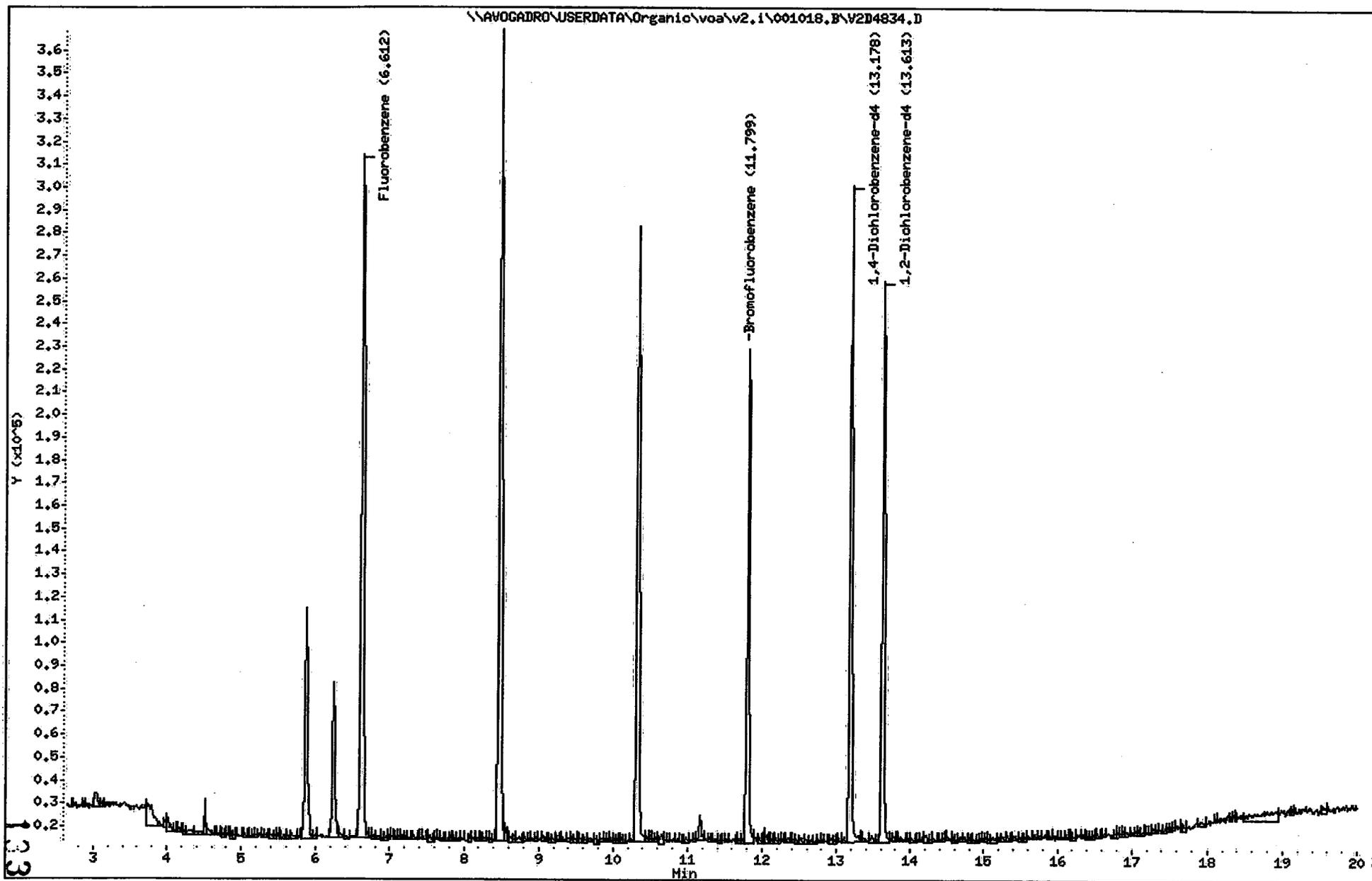
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4834.D  
 Lab Smp Id: 71643007 Client Smp ID: 420WS-EF  
 Inj Date : 18-OCT-2000 12:19  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643007,420WS-EF,V2B1018A,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.612	6.612	(1.000)	317779	5.00000	
\$ 44 Bromofluorobenzene	95	11.799	11.799	(1.785)	85928	4.91288	5
* 57 1,4-Dichlorobenzene-d4	152	13.178	13.178	(1.000)	95776	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.613	13.613	(1.033)	79245	5.12096	5

*Ag*  
 10/24/00

*k*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4834.D  
Report Date: 25-Oct-2000 16:38

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4834.D  
Lab Smp Id: 71643007 Client Smp ID: 420WS-EF  
Inj Date : 18-OCT-2000 12:19  
Operator : JT Inst ID: v2.i  
Smp Info : RFW,71643007,420WS-EF,V2B1018A,,71643  
Misc Info : 12-OCT-00  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 4  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643017

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4820

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643017

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4820

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	D
136777-61-2	m,p-Xylene	0.5	D
95-47-6	o-Xylene	0.5	D
100-42-5	Styrene	0.5	D
75-25-2	Bromoform	0.5	D
98-82-8	Isopropylbenzene	0.5	D
79-34-5	1,1,2,2-Tetrachloroethane	0.5	D
108-86-1	Bromobenzene	0.5	D
96-18-4	1,2,3-Trichloropropane	0.5	D
103-65-1	n-Propylbenzene	0.5	D
95-49-8	2-Chlorotoluene	0.5	D
108-67-8	1,3,5-Trimethylbenzene	0.5	D
106-43-4	4-Chlorotoluene	0.5	D
98-06-6	tert-Butylbenzene	0.5	D
95-63-6	1,2,4-Trimethylbenzene	0.5	D
135-98-8	sec-Butylbenzene	0.5	D
541-73-1	1,3-Dichlorobenzene	0.5	D
99-87-6	4-Isopropyltoluene	0.5	D
106-46-7	1,4-Dichlorobenzene	0.5	D
104-51-8	n-Butylbenzene	0.5	D
95-50-1	1,2-Dichlorobenzene	0.5	D
96-12-8	1,2-Dibromo-3-chloropropane	<del>0.5</del>	D
120-82-1	1,2,4-Trichlorobenzene	0.5	D
87-68-3	Hexachlorobutadiene	0.5	D
91-20-3	Naphthalene	0.5	D
87-61-6	1,2,3-Trichlorobenzene	0.5	D

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB-01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643017

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4820

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-64-1	ACETONE	3.60	14	J
2. 110-54-3	HEXANE	4.58	2	NJ
3. 96-37-7	CYCLOPENTANE, METHYL-	5.25	2	NJ
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
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26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\2D4820.D

Date : 18-OCT-2000 03:07

Client ID: TB-01

Sample Info: RFM,71643017,TB-01,V2B1017B,,71643

Purge Volume: 25.0

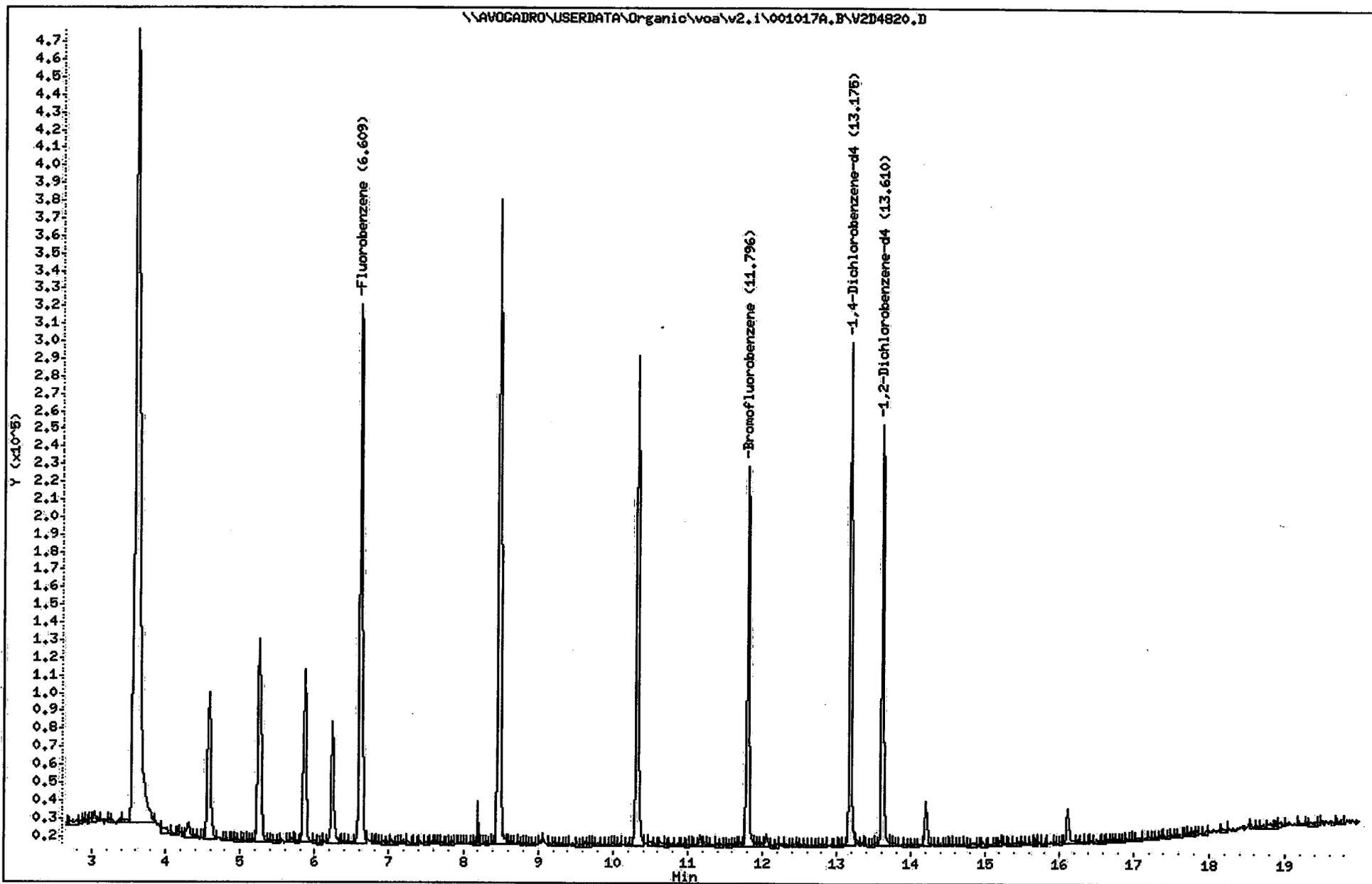
Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25

\\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\2D4820.D



139

Data File: V2D4820.D  
 Report Date: 24-Oct-2000 18:38

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4820.D  
 Lab Smp Id: 71643017 Client Smp ID: TB-01  
 Inj Date : 18-OCT-2000 03:07  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643017,TB-01,V2B1017B,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 30  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG			CONCENTRATIONS			
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.609	6.598	(1.000)	322631	5.00000	
\$ 44 Bromofluorobenzene	95	11.796	11.785	(1.785)	85495	4.81461	5
* 57 1,4-Dichlorobenzene-d4	152	13.186	13.174	(1.000)	93695	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.610	13.609	(1.032)	77621	5.12742	5

*Handwritten:* A9  
 10/24/00

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4820.D  
 Lab Smp Id: 71643017 Client Smp ID: TB-01  
 Inj Date : 18-OCT-2000 03:07  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643017,TB-01,V2B1017B,,71643  
 Misc Info : 12-OCT-00  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 30  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 22 Fluorobenzene	6.609	755934	5.000

RT	AREA	CONCENTRATIONS			QUAL	QUANT		
		ON-COL( ug/L)	FINAL( ug/L)			LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====	
Acetone					CAS #: 67-64-1			
3.597	2081298	13.7664002	14	80	NBS75K.L	94	22 (L)	
Hexane					CAS #: 110-54-3			
4.583	239490	1.58406686	2	91	NBS75K.L	62874	22	
Cyclopentane, methyl-					CAS #: 96-37-7			
5.251	345829	2.28742853	2	91	NBS75K.L	594	22	

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4820.D

Date : 18-OCT-2000 03:07

Client ID: TB-01

Instrument: v2.i

Sample Info: RFM,71643017,TB-01,V2B1017B,,71643

Purge Volume: 25.0

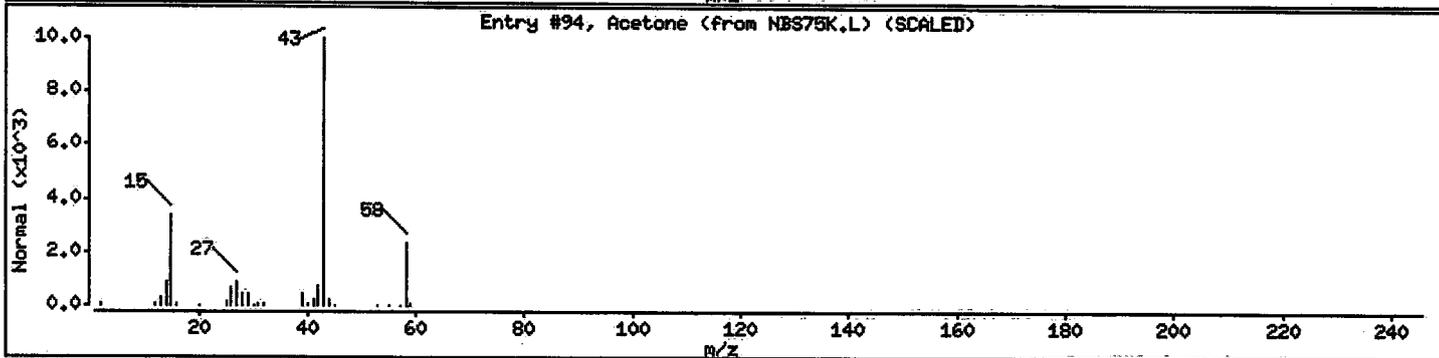
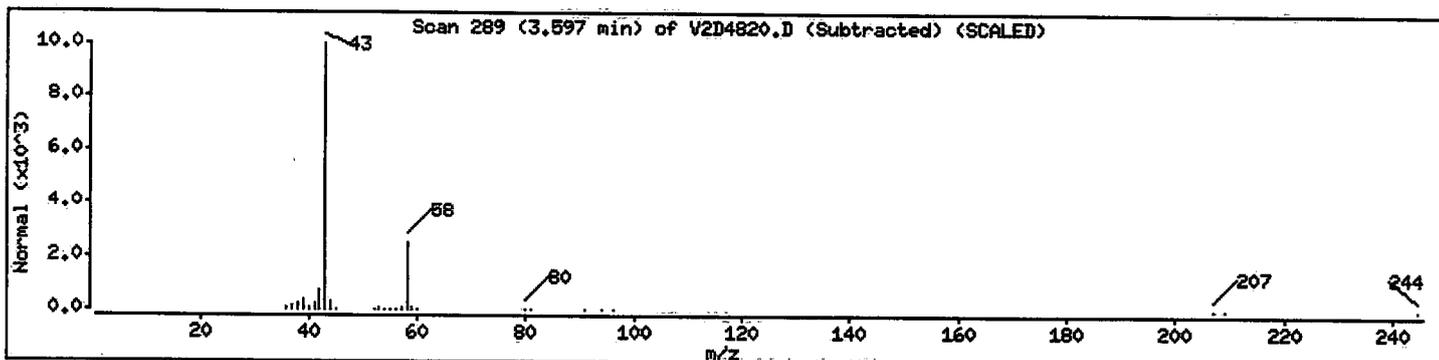
Operator: JT

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match

CAS Number	Library	Entry	Quality	Formula	Weight
67-64-1	NBS75K.L	94	80	C3H6O	58
Unknown		0	0		0



Data File: \\AVOCADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4820.D

Date : 18-OCT-2000 03:07

Client ID: TB-01

Instrument: v2.i

Sample Info: RFW,71643017,TB-01,V2B1017B,,71643

Purge Volume: 25.0

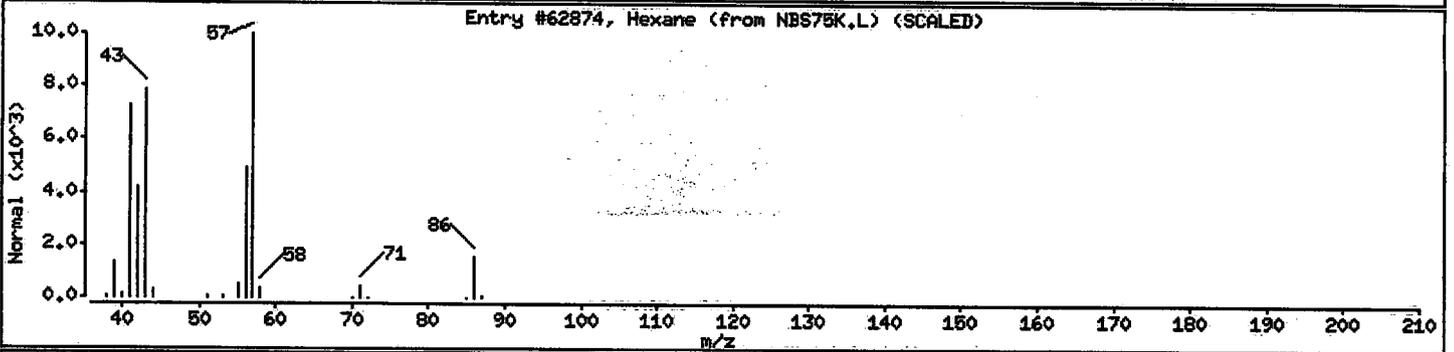
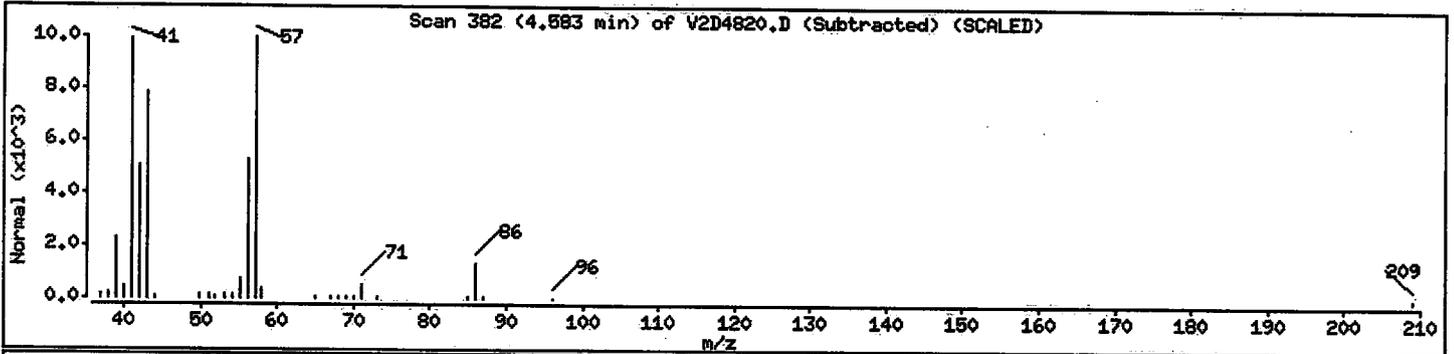
Operator: JT

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexane	110-54-3	NBS75K.L	62874	91	C6H14	86



Data File: \\AVOCADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4820.D

Date : 18-OCT-2000 03:07

Client ID: TB-01

Instrument: v2.i

Sample Info: RFW,71643017,TB-01,V2B1017B,,71643

Purge Volume: 25.0

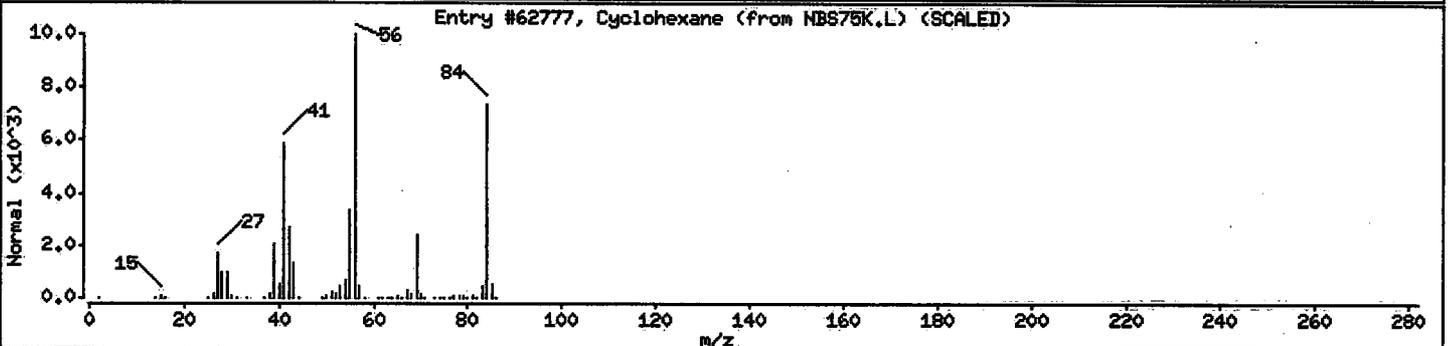
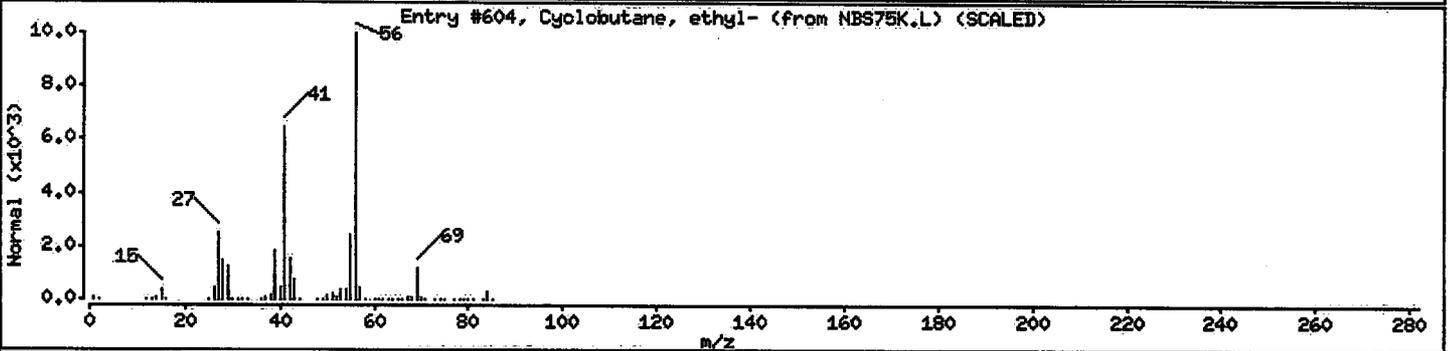
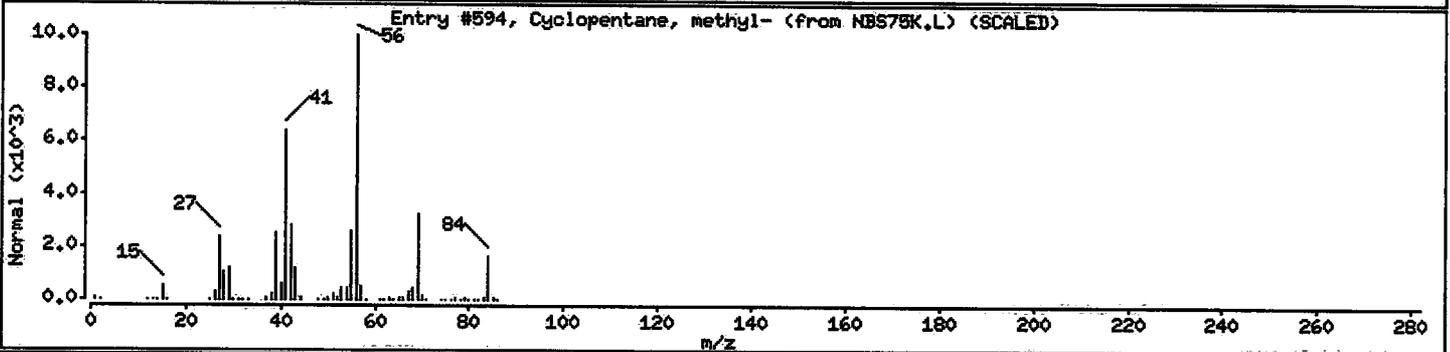
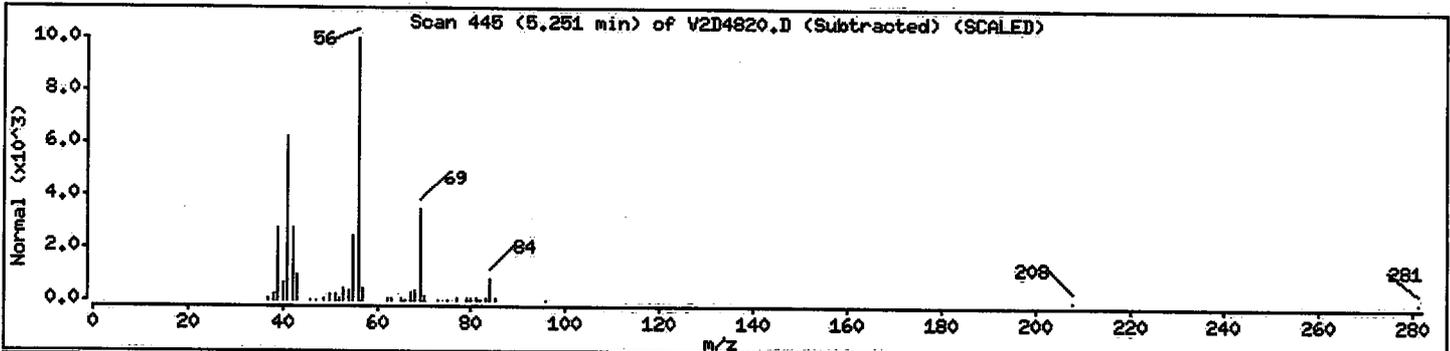
Operator: JT

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclopentane, methyl-	96-37-7	NBS75K.L	594	91	C6H12	84
Cyclobutane, ethyl-	4806-61-5	NBS75K.L	604	78	C6H12	84
Cyclohexane	110-82-7	NBS75K.L	62777	78	C6H12	84







Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001016A.B\2D4782.D

Date : 16-OCT-2000 15:48

Client ID: VSTD00.52J

Sample Info: 524,V2S1016C,VSTD00052J

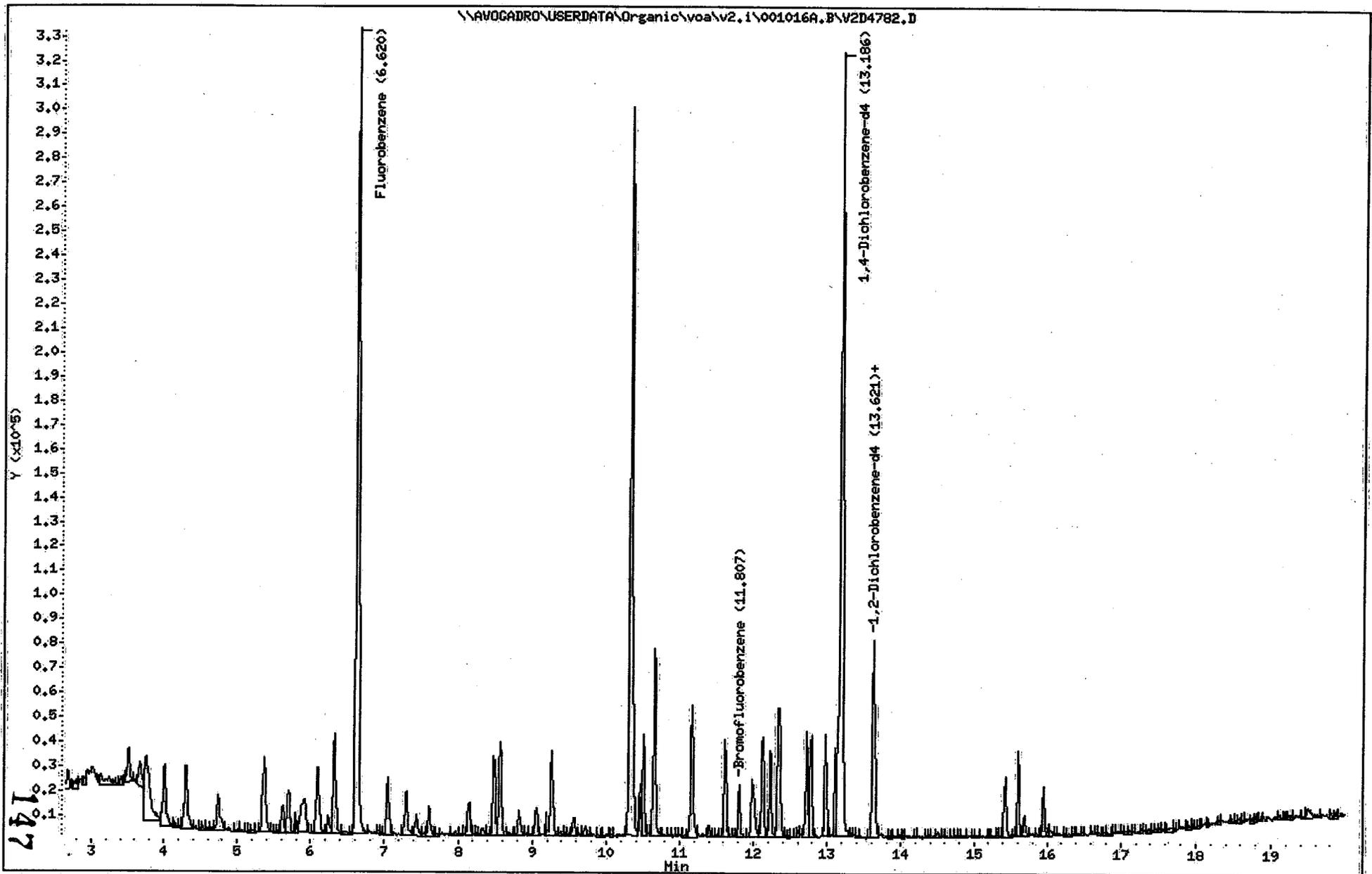
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0,25



Data File: V2D4782.D  
 Report Date: 24-Oct-2000 18:14

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4782.D  
 Lab Smp Id: V2S1016C Client Smp ID: VSTD00.52J  
 Inj Date : 16-OCT-2000 15:48  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1016C,VSTD00052J  
 Misc Info : ,1,1  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:13 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 2 Calibration Sample, Level: 1  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.921	1.911 (0.290)		7078	0.50000	0.4 (a)
2 Chloromethane	50	2.080	2.102 (0.314)		21831	0.50000	0.5
3 Vinyl Chloride	62	2.239	2.250 (0.338)		15645	0.50000	0.4 (a)
4 Bromomethane	94	2.568	2.590 (0.388)		10728	0.50000	0.4 (a)
5 Chloroethane	64	2.685	2.685 (0.406)		9288	0.50000	0.5
6 Trichlorofluoromethane	101	3.014	3.014 (0.455)		7487	0.50000	0.5
7 1,1-Dichloroethene	96	3.512	3.513 (0.531)		7787	0.50000	0.5
8 Methylene Chloride	84	4.000	4.011 (0.604)		13975	0.50000	0.7
9 trans-1,2-Dichloroethene	96	4.297	4.308 (0.649)		9831	0.50000	0.5
10 Methyl tert-butyl ether	73	4.318	4.308 (0.652)		9965	0.50000	0.4 (a)
11 1,1-Dichloroethane	63	4.743	4.743 (0.716)		19149	0.50000	0.5
12 cis-1,2-Dichloroethene	96	5.358	5.358 (0.809)		9353	0.50000	0.5
13 2,2-Dichloropropane	77	5.369	5.369 (0.811)		12039	0.50000	0.5
M 14 1,2-Dichloroethene (Total)	96				19184	1.00000	1.0
15 Bromochloromethane	128	5.613	5.613 (0.848)		3728	0.50000	0.5
16 Chloroform	83	5.697	5.698 (0.861)		16968	0.50000	0.6

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
17 1,1,1-Trichloroethane	97	5.920	5.920	(0.894)	11779	0.50000	0.5
18 1,1-Dichloropropene	75	6.090	6.090	(0.920)	10029	0.50000	0.4 (a)
19 Carbon Tetrachloride	117	6.111	6.101	(0.923)	9803	0.50000	0.5
20 Benzene	78	6.323	6.313	(0.955)	35179	0.50000	0.5
21 1,2-Dichloroethane	62	6.323	6.324	(0.955)	7369	0.50000	0.5 (M)
* 22 Fluorobenzene	96	6.620	6.620	(1.000)	355156	5.00000	
23 Trichloroethene	95	7.045	7.045	(1.064)	9304	0.50000	0.5
24 1,2-Dichloropropene	63	7.299	7.289	(1.103)	8882	0.50000	0.5 (T)
25 Dibromomethane	93	7.437	7.437	(1.123)	3082	0.50000	0.5
26 Bromodichloromethane	83	7.607	7.607	(1.149)	8420	0.50000	0.5
27 cis-1,3-Dichloropropene	75	8.148	8.137	(1.231)	8953	0.50000	0.4 (a)
28 Toluene	92	8.562	8.562	(1.293)	19720	0.50000	0.4 (a)
29 trans-1,3-Dichloropropene	75	8.827	8.816	(1.333)	5424	0.50000	0.4 (a)
30 1,1,2-Trichloroethane	83	9.060	9.050	(1.369)	3581	0.50000	0.5
31 Tetrachloroethene	166	9.262	9.262	(1.399)	11294	0.50000	0.5
32 1,3-Dichloropropene	76	9.272	9.262	(1.401)	6786	0.50000	0.5
33 Dibromochloromethane	129	9.559	9.559	(1.444)	4843	0.50000	0.4 (a)
34 1,2-Dibromoethane	107	9.718	9.718	(1.468)	3807	0.50000	0.4 (a)
35 Chlorobenzene	112	10.365	10.365	(1.566)	21992	0.50000	0.5
36 1,1,1,2-Tetrachloroethane	131	10.460	10.461	(1.580)	6624	0.50000	0.4 (a)
37 Ethylbenzene	91	10.503	10.503	(1.586)	34708	0.50000	0.4 (a)
38 m,p-Xylene	106	10.651	10.651	(1.609)	28147	1.00000	0.9
39 o-Xylene	106	11.160	11.161	(1.686)	12603	0.50000	0.4 (a)
40 Styrene	104	11.182	11.171	(1.689)	19025	0.50000	0.4 (a)
42 Bromoform	173	11.404	11.405	(1.723)	2783	0.50000	0.4 (a)
43 Isopropylbenzene	105	11.617	11.617	(1.755)	30645	0.50000	0.4 (a)
M 41 Xylene (Total)	106				40750	1.50000	1
\$ 44 Bromofluorobenzene	95	11.807	11.808	(1.784)	8255	0.50000	0.4 (a)
45 1,1,2,2-Tetrachloroethane	83	11.967	11.967	(0.907)	3789	0.50000	0.4 (a)
46 Bromobenzene	156	11.988	11.988	(0.909)	8001	0.50000	0.5
47 1,2,3-Trichloropropene	75	12.030	12.020	(0.912)	3299	0.50000	0.5
48 n-Propylbenzene	91	12.126	12.115	(0.920)	37826	0.50000	0.4 (a)
49 2-Chlorotoluene	91	12.232	12.221	(0.928)	24399	0.50000	0.5
50 1,3,5-Trimethylbenzene	105	12.338	12.327	(0.936)	26928	0.50000	0.5
51 4-Chlorotoluene	91	12.359	12.349	(0.937)	26059	0.50000	0.5
52 tert-Butylbenzene	119	12.720	12.720	(0.965)	22182	0.50000	0.5
53 1,2,4-Trimethylbenzene	105	12.783	12.773	(0.969)	26092	0.50000	0.4 (a)
54 sec-Butylbenzene	105	12.985	12.975	(0.985)	34379	0.50000	0.4 (a)
55 1,3-Dichlorobenzene	146	13.112	13.112	(0.994)	17949	0.50000	0.5
56 4-Isopropyltoluene	119	13.144	13.144	(0.997)	27144	0.50000	0.4 (a)
* 57 1,4-Dichlorobenzene-d4	152	13.186	13.187	(1.000)	112849	5.00000	
58 1,4-Dichlorobenzene	146	13.208	13.208	(1.002)	18022	0.50000	0.5
\$ 59 1,2-Dichlorobenzene-d4	152	13.621	13.622	(1.033)	10122	0.50000	0.6
60 n-Butylbenzene	91	13.621	13.622	(1.033)	26228	0.50000	0.4 (a)
61 1,2-Dichlorobenzene	146	13.643	13.643	(1.035)	14589	0.50000	0.5
62 1,2-Dibromo-3-chloropropane	75	14.523	14.502	(1.101)	350	0.50000	0.4 (aQM)
63 1,2,4-Trichlorobenzene	180	15.425	15.425	(1.170)	10200	0.50000	0.5

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Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.605	15.605	(1.183)	8300	0.50000	0.5
65 Naphthalene	128	15.690	15.690	(1.190)	9093	0.50000	0.4(a)
66 1,2,3-Trichlorobenzene	180	15.944	15.945	(1.209)	8809	0.50000	0.5

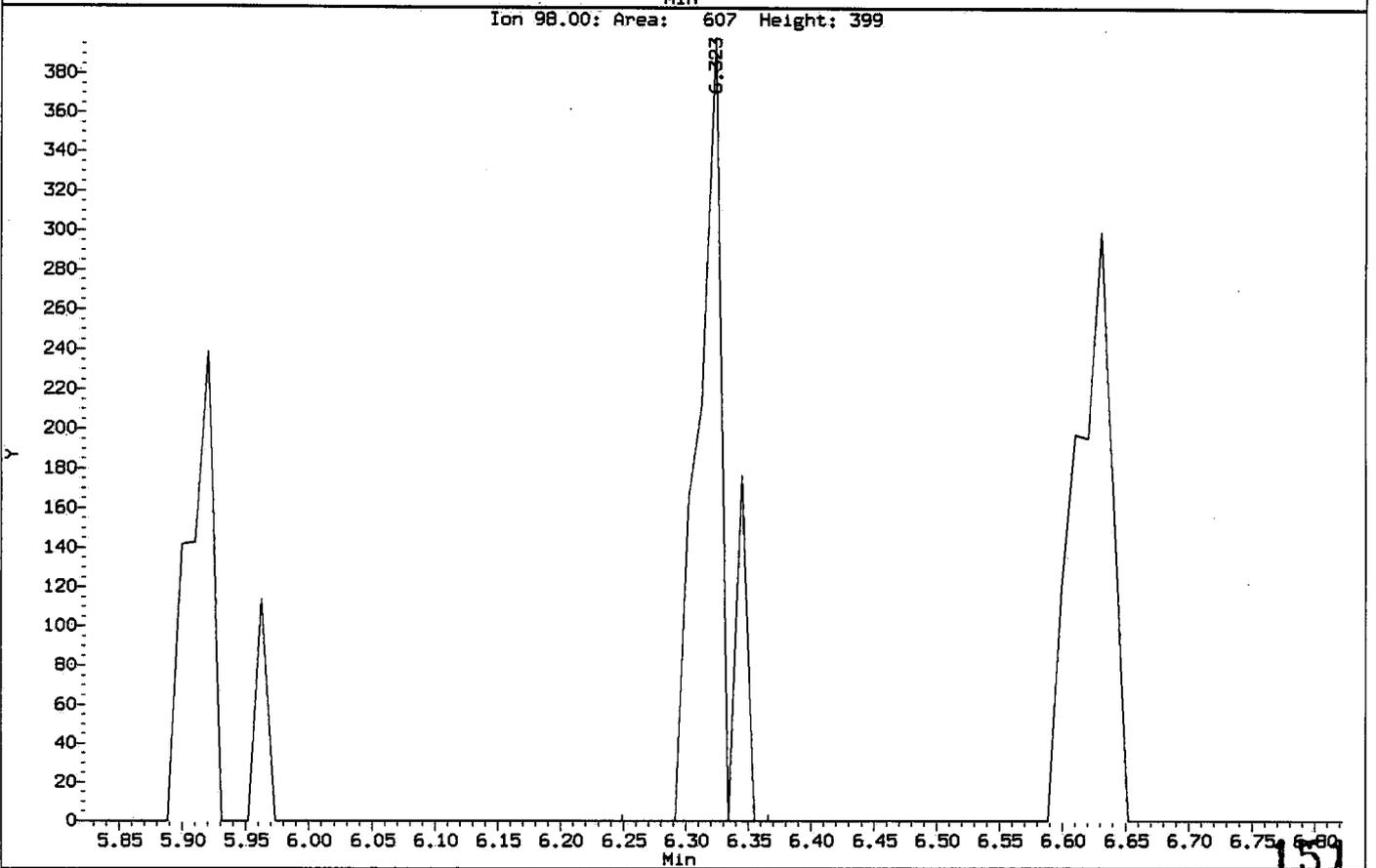
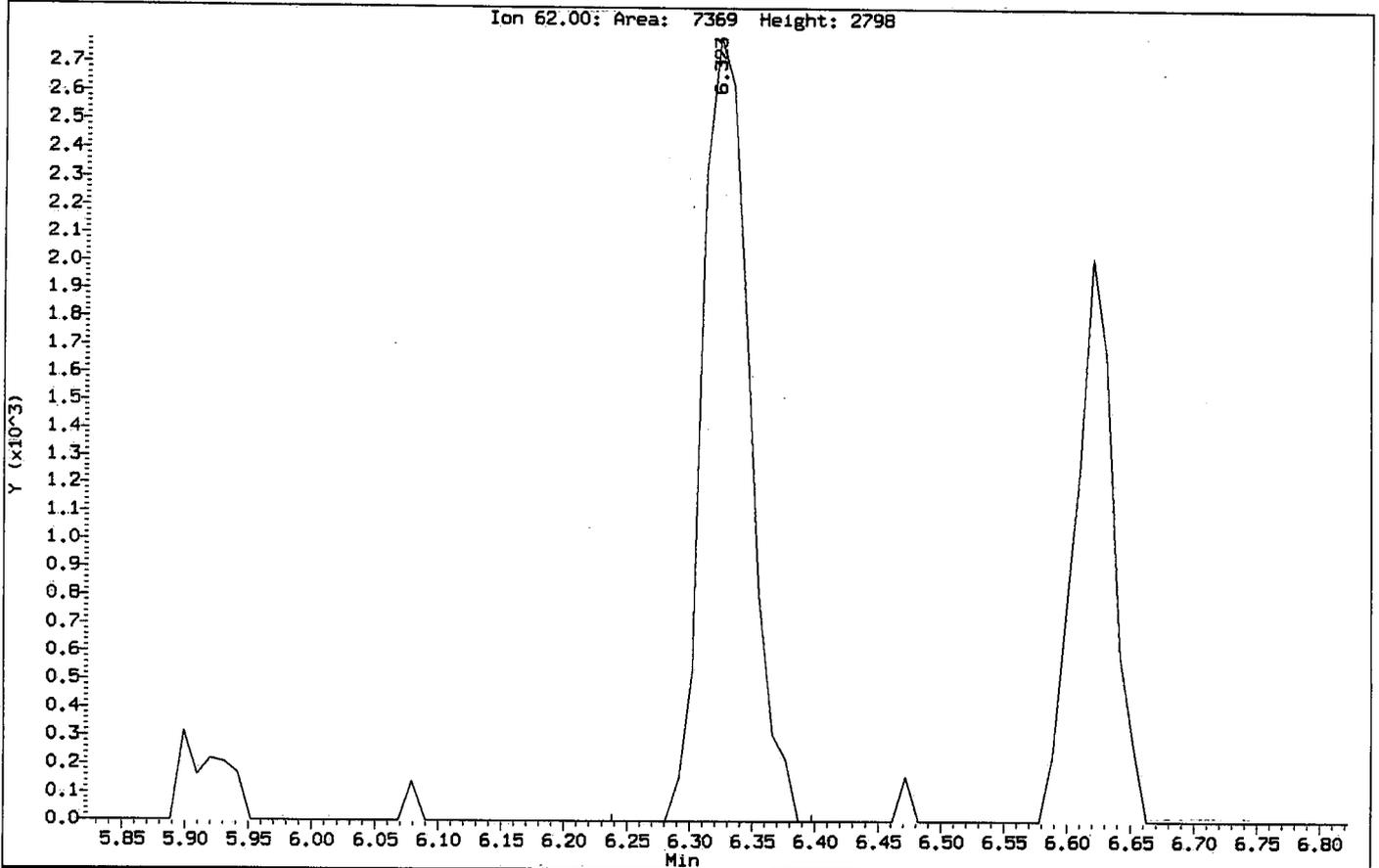
QC Flag Legend

- T - Target compound detected outside RT window.
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

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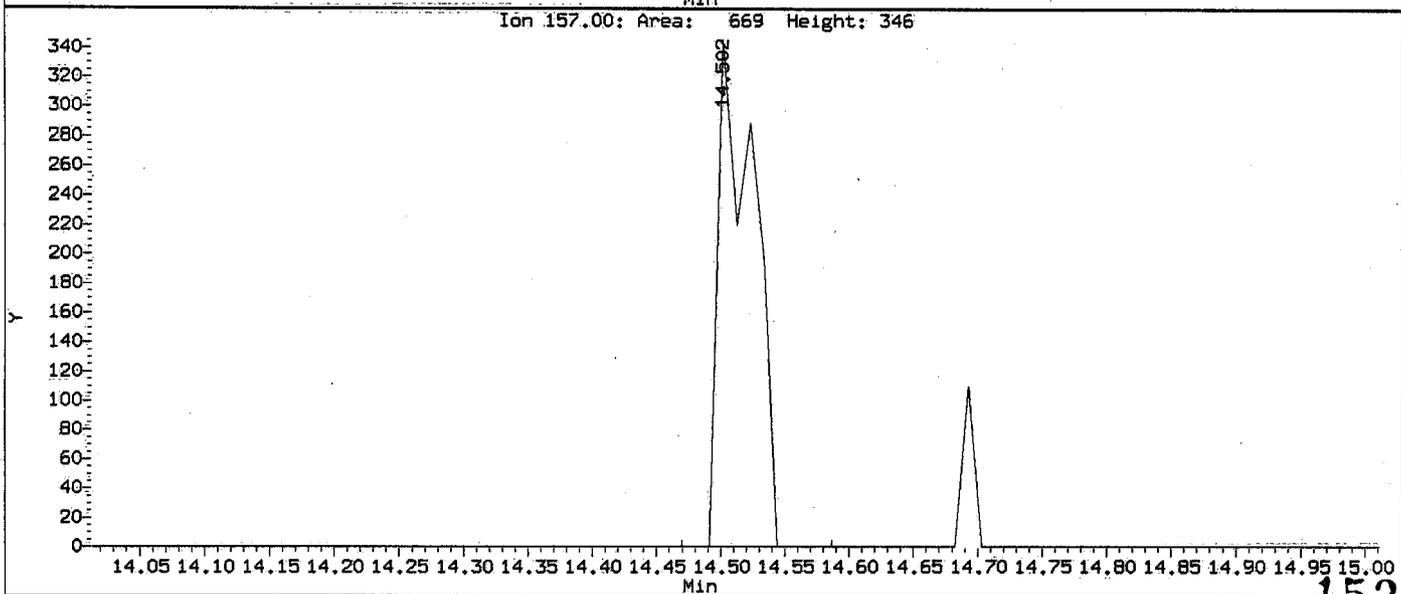
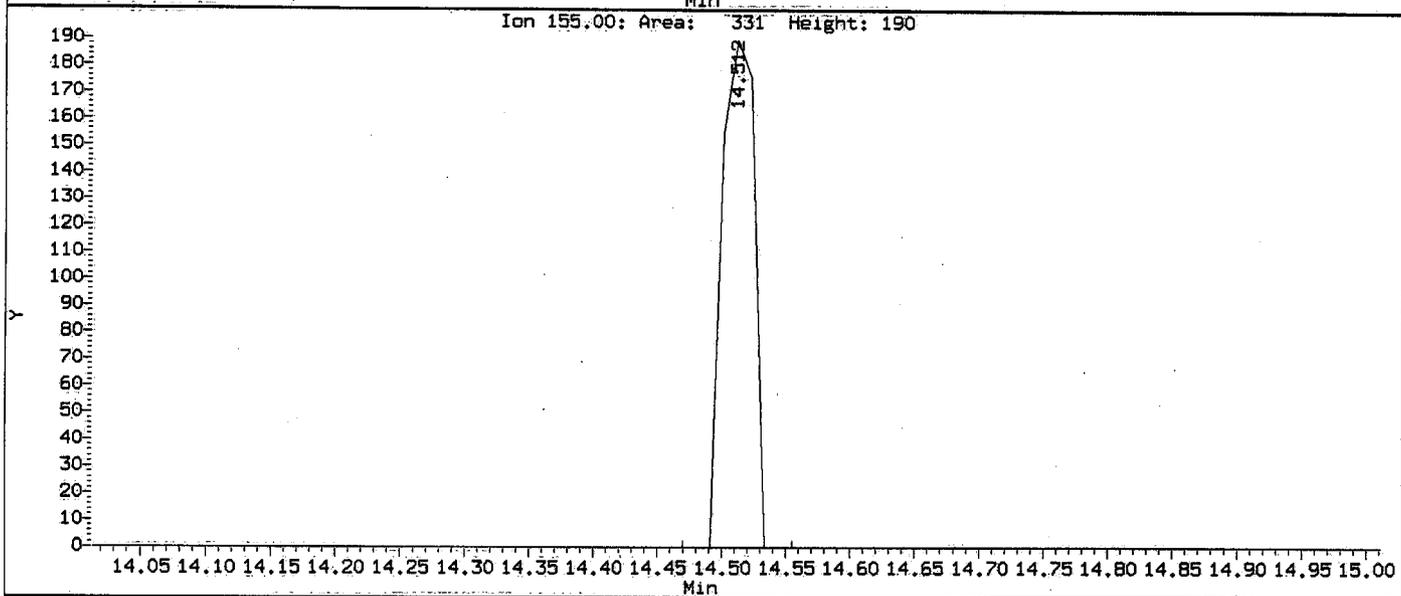
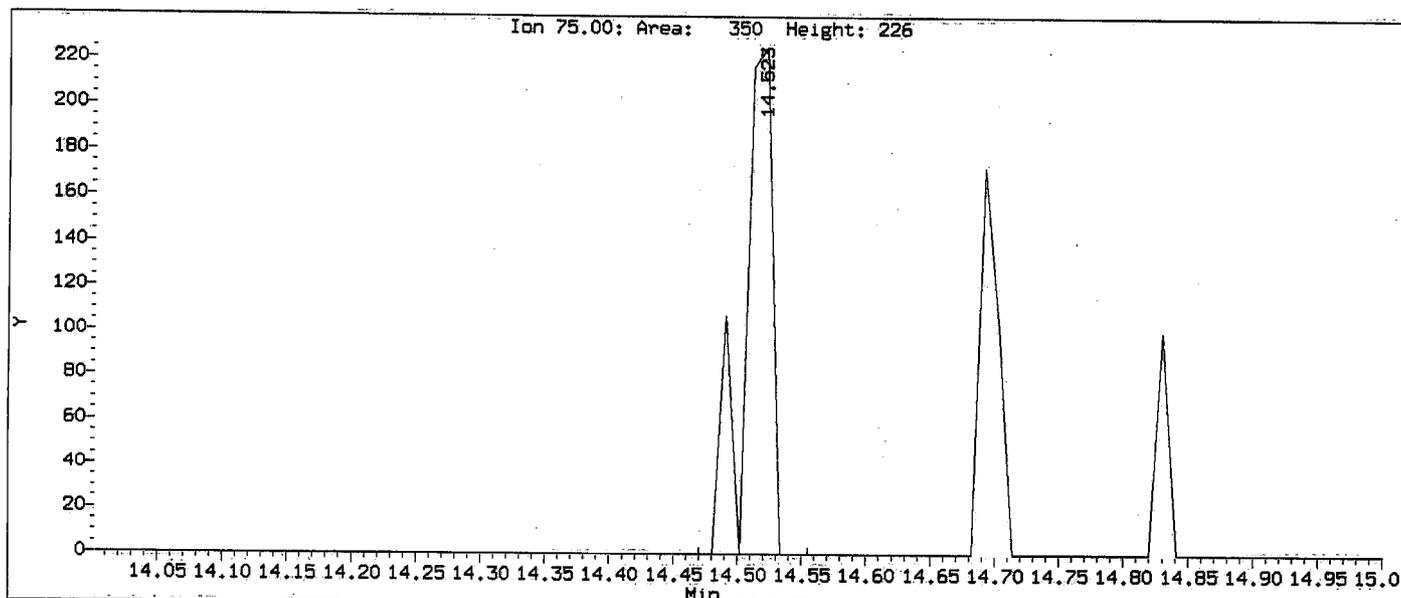
Data File: \\AVOGADRO\USERDATA\Organic\voa\2.1\001016A.B\2D4782.D  
Injection Date: 16-OCT-2000 15:48  
Instrument: v2.1  
Client Sample ID: VSTD0.52J

Compound: 1,2-Dichloroethane  
CAS Number: 107-06-2



Data File: \\AVOGADRO\USERDATA\Organic\voa\2.1\001016A.B\204782.D  
Injection Date: 16-OCT-2000 15:48  
Instrument: v2.1  
Client Sample ID: VSTD0.52J

Compound: 1,2-Dibromo-3-chloropropane  
CAS Number: 96-12-8



Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\2D4785.D

Date : 16-OCT-2000 17:18

Client ID: VSTD0042J

Sample Info: 524,V2S1016F,VSTD0042J

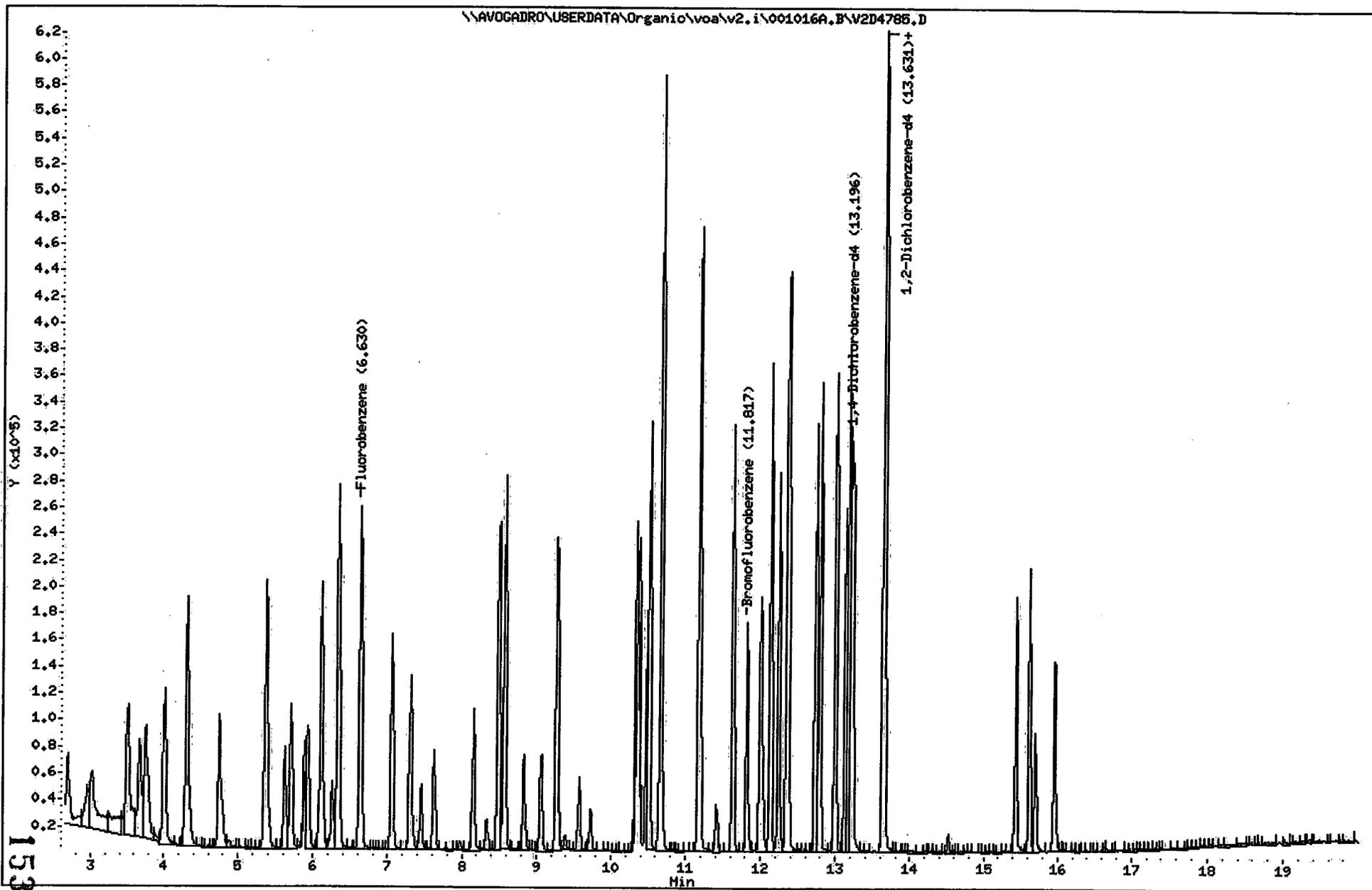
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4785.D  
 Report Date: 24-Oct-2000 18:14

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4785.D  
 Lab Smp Id: V2S1016F Client Smp ID: VSTD0042J  
 Inj Date : 16-OCT-2000 17:18  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1016F,VSTD0042J  
 Misc Info : ,1,2  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:13 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 5 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
1 Dichlorodifluoromethane	85	1.920	1.911	(0.290)	52618	4.00000	4
2 Chloromethane	50	2.090	2.102	(0.315)	157606	4.00000	4
3 Vinyl Chloride	62	2.238	2.250	(0.338)	115652	4.00000	4
4 Bromomethane	94	2.578	2.590	(0.389)	80013	4.00000	4
5 Chloroethane	64	2.684	2.685	(0.405)	65267	4.00000	4
6 Trichlorofluoromethane	101	3.023	3.014	(0.456)	44959	4.00000	4
7 1,1-Dichloroethene	96	3.511	3.513	(0.530)	49737	4.00000	4
8 Methylene Chloride	84	4.010	4.011	(0.605)	66464	4.00000	4
9 trans-1,2-Dichloroethene	96	4.307	4.308	(0.650)	70794	4.00000	4
10 Methyl tert-butyl ether	73	4.317	4.308	(0.651)	74801	4.00000	4
11 1,1-Dichloroethane	63	4.742	4.743	(0.715)	135488	4.00000	4
12 cis-1,2-Dichloroethene	96	5.368	5.358	(0.810)	66109	4.00000	4
13 2,2-Dichloropropane	77	5.378	5.369	(0.811)	75039	4.00000	4
M 14 1,2-Dichloroethene (Total)	96				136903	8.00000	9
15 Bromochloromethane	128	5.622	5.613	(0.848)	25400	4.00000	4
16 Chloroform	83	5.707	5.698	(0.861)	101800	4.00000	4

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.919	5.920	(0.893)	76067	4.00000	4
18 1,1-Dichloropropene	75	6.100	6.090	(0.920)	79328	4.00000	4
19 Carbon Tetrachloride	117	6.110	6.101	(0.922)	65025	4.00000	4
20 Benzene	78	6.322	6.313	(0.954)	252583	4.00000	4
21 1,2-Dichloroethane	62	6.333	6.324	(0.955)	47993	4.00000	4
* 22 Fluorobenzene	96	6.630	6.620	(1.000)	283669	5.00000	
23 Trichloroethene	95	7.054	7.045	(1.064)	67472	4.00000	4
24 1,2-Dichloropropene	63	7.298	7.289	(1.101)	65449	4.00000	4
25 Dibromomethane	93	7.447	7.437	(1.123)	22603	4.00000	4
26 Bromodichloromethane	83	7.617	7.607	(1.149)	58986	4.00000	4
27 cis-1,3-Dichloropropene	75	8.157	8.137	(1.230)	70938	4.00000	4
28 Toluene	92	8.571	8.562	(1.293)	155060	4.00000	4
29 trans-1,3-Dichloropropene	75	8.836	8.816	(1.333)	47773	4.00000	4
30 1,1,2-Trichloroethane	83	9.070	9.050	(1.368)	25873	4.00000	4
31 Tetrachloroethene	166	9.271	9.262	(1.398)	77710	4.00000	4
32 1,3-Dichloropropene	76	9.282	9.262	(1.400)	49189	4.00000	4
33 Dibromochloromethane	129	9.579	9.559	(1.445)	36696	4.00000	4
34 1,2-Dibromoethane	107	9.727	9.718	(1.467)	29696	4.00000	4
35 Chlorobenzene	112	10.374	10.365	(1.565)	156599	4.00000	4
36 1,1,1,2-Tetrachloroethane	131	10.481	10.461	(1.581)	50933	4.00000	4
37 Ethylbenzene	91	10.512	10.503	(1.586)	274417	4.00000	4
38 m,p-Xylene	106	10.661	10.651	(1.608)	225414	8.00000	9
39 o-Xylene	106	11.170	11.161	(1.685)	103444	4.00000	4
40 Styrene	104	11.191	11.171	(1.688)	159225	4.00000	4
42 Bromoform	173	11.414	11.405	(1.722)	22428	4.00000	4
43 Isopropylbenzene	105	11.637	11.617	(1.755)	267123	4.00000	4
M 41 Xylene (Total)	106				328858	12.0000	13
\$ 44 Bromofluorobenzene	95	11.817	11.808	(1.782)	67269	4.00000	4
45 1,1,2,2-Tetrachloroethane	83	11.987	11.967	(0.908)	31953	4.00000	4
46 Bromobenzene	156	12.008	11.988	(0.910)	63051	4.00000	4
47 1,2,3-Trichloropropene	75	12.040	12.020	(0.912)	25885	4.00000	4
48 n-Propylbenzene	91	12.135	12.115	(0.920)	325150	4.00000	4
49 2-Chlorotoluene	91	12.241	12.221	(0.928)	186290	4.00000	4
50 1,3,5-Trimethylbenzene	105	12.347	12.327	(0.936)	223961	4.00000	4
51 4-Chlorotoluene	91	12.369	12.349	(0.937)	211661	4.00000	4
52 tert-Butylbenzene	119	12.729	12.720	(0.965)	185786	4.00000	4
53 1,2,4-Trimethylbenzene	105	12.793	12.773	(0.969)	221086	4.00000	4
54 sec-Butylbenzene	105	12.995	12.975	(0.985)	293967	4.00000	4
55 1,3-Dichlorobenzene	146	13.122	13.112	(0.994)	134319	4.00000	4
56 4-Isopropyltoluene	119	13.164	13.144	(0.998)	244934	4.00000	4
* 57 1,4-Dichlorobenzene-d4	152	13.196	13.187	(1.000)	99116	5.00000	
58 1,4-Dichlorobenzene	146	13.228	13.208	(1.002)	129734	4.00000	4
\$ 59 1,2-Dichlorobenzene-d4	152	13.631	13.622	(1.033)	68945	4.00000	4
60 n-Butylbenzene	91	13.631	13.622	(1.033)	236596	4.00000	4
61 1,2-Dichlorobenzene	146	13.652	13.643	(1.035)	106240	4.00000	4
62 1,2-Dibromo-3-chloropropane	75	14.522	14.502	(1.100)	3951	4.00000	5
63 1,2,4-Trichlorobenzene	180	15.434	15.425	(1.170)	79992	4.00000	4

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.625	15.605	(1.184)	57819	4.00000	4
65 Naphthalene	128	15.699	15.690	(1.190)	79130	4.00000	4
66 1,2,3-Trichlorobenzene	180	15.965	15.945	(1.210)	63523	4.00000	4

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Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4781.D

Date : 16-OCT-2000 15:17

Client ID: VSTD0102J

Sample Info: 524,V2S1016B,VSTD0102J

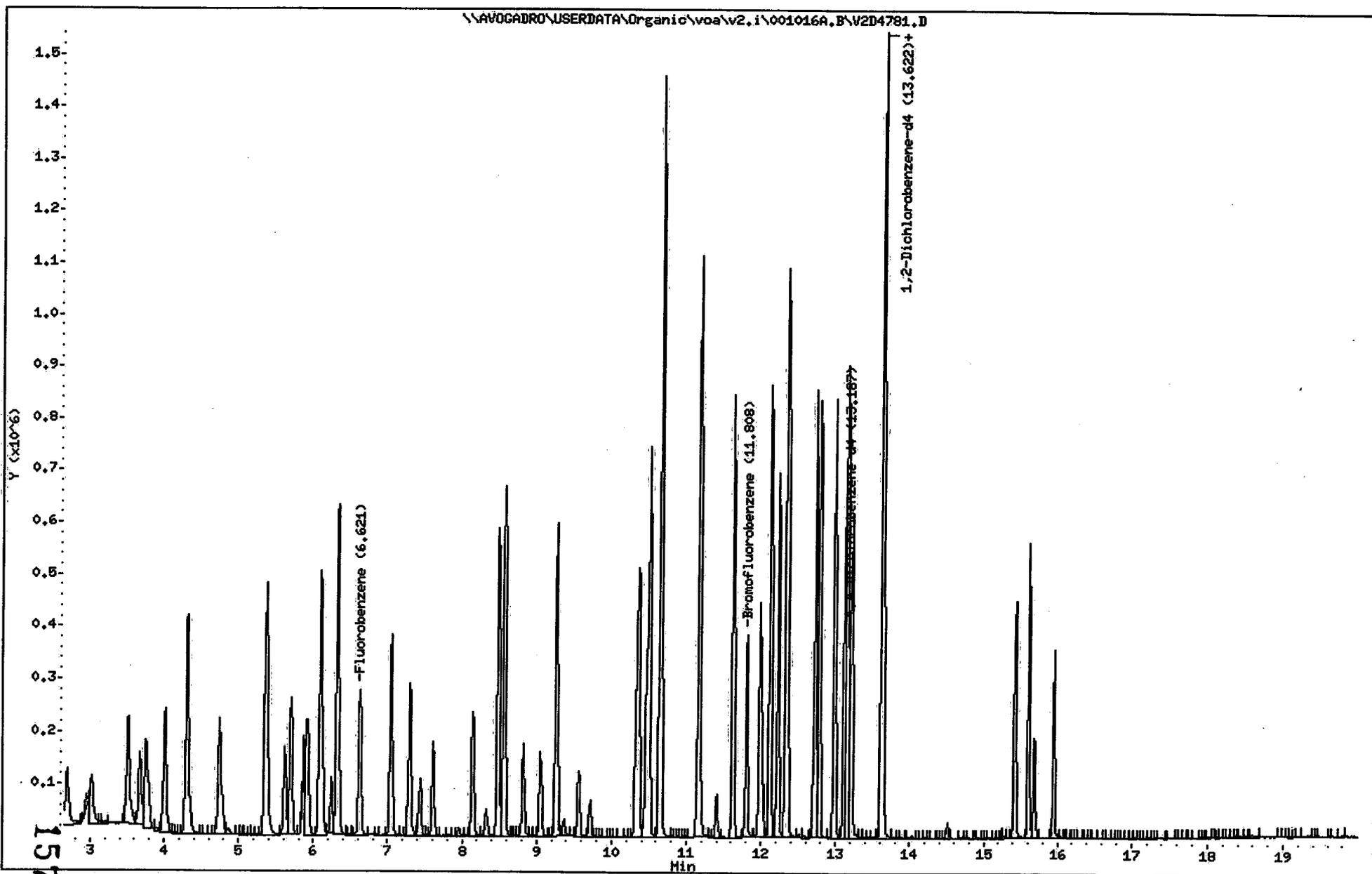
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4781.D  
 Report Date: 24-Oct-2000 18:14

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4781.D  
 Lab Smp Id: V2S1016B Client Smp ID: VSTD0102J  
 Inj Date : 16-OCT-2000 15:17  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1016B,VSTD0102J  
 Misc Info : ,1,3  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:13 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.911	1.911	(0.289)	125237	10.0000	9
2 Chloromethane	50	2.102	2.102	(0.317)	325395	10.0000	8
3 Vinyl Chloride	62	2.250	2.250	(0.340)	252971	10.0000	9
4 Bromomethane	94	2.590	2.590	(0.391)	173432	10.0000	8
5 Chloroethane	64	2.685	2.685	(0.406)	144240	10.0000	8
6 Trichlorofluoromethane	101	3.014	3.014	(0.455)	125188	10.0000	10
7 1,1-Dichloroethene	96	3.513	3.513	(0.531)	117356	10.0000	10
8 Methylene Chloride	84	4.011	4.011	(0.606)	142879	10.0000	8
9 trans-1,2-Dichloroethene	96	4.308	4.308	(0.651)	164713	10.0000	10
10 Methyl tert-butyl ether	73	4.308	4.308	(0.651)	158041	10.0000	8
11 1,1-Dichloroethane	63	4.743	4.743	(0.716)	302520	10.0000	9
12 cis-1,2-Dichloroethene	96	5.358	5.358	(0.809)	149255	10.0000	9
13 2,2-Dichloropropane	77	5.369	5.369	(0.811)	195809	10.0000	10
M 14 1,2-Dichloroethene (Total)	96				313968	20.0000	19
15 Bromochloromethane	128	5.613	5.613	(0.848)	57496	10.0000	9
16 Chloroform	83	5.698	5.698	(0.861)	240901	10.0000	9

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.920	5.920	(0.894)	189805	10.0000	10
18 1,1-Dichloropropene	75	6.090	6.090	(0.920)	198588	10.0000	10
19 Carbon Tetrachloride	117	6.101	6.101	(0.921)	163839	10.0000	10
20 Benzene	78	6.313	6.313	(0.954)	584307	10.0000	10
21 1,2-Dichloroethane	62	6.324	6.324	(0.955)	112719	10.0000	9
* 22 Fluorobenzene	96	6.620	6.620	(1.000)	298255	5.00000	
23 Trichloroethene	95	7.045	7.045	(1.064)	153229	10.0000	10
24 1,2-Dichloropropane	63	7.289	7.289	(1.101)	141452	10.0000	9
25 Dibromomethane	93	7.437	7.437	(1.123)	49801	10.0000	9
26 Bromodichloromethane	83	7.607	7.607	(1.149)	134411	10.0000	9
27 cis-1,3-Dichloropropene	75	8.137	8.137	(1.229)	155605	10.0000	9
28 Toluene	92	8.562	8.562	(1.293)	353483	10.0000	10
29 trans-1,3-Dichloropropene	75	8.816	8.816	(1.332)	108105	10.0000	9
30 1,1,2-Trichloroethane	83	9.050	9.050	(1.367)	54669	10.0000	9
31 Tetrachloroethane	166	9.262	9.262	(1.399)	190435	10.0000	10
32 1,3-Dichloropropane	76	9.262	9.262	(1.399)	107034	10.0000	9
33 Dibromochloromethane	129	9.559	9.559	(1.444)	84984	10.0000	9
34 1,2-Dibromoethane	107	9.718	9.718	(1.468)	63173	10.0000	9
35 Chlorobenzene	112	10.365	10.365	(1.566)	355151	10.0000	9
36 1,1,1,2-Tetrachloroethane	131	10.461	10.461	(1.580)	114378	10.0000	9
37 Ethylbenzene	91	10.503	10.503	(1.586)	644297	10.0000	10
38 m,p-Xylene	106	10.651	10.651	(1.609)	522475	20.0000	20
39 o-Xylene	106	11.161	11.161	(1.686)	244474	10.0000	10
40 Styrene	104	11.171	11.171	(1.687)	370729	10.0000	10
42 Bromoform	173	11.405	11.405	(1.723)	51804	10.0000	9
43 Isopropylbenzene	105	11.617	11.617	(1.755)	644557	10.0000	10
M 41 Xylene (Total)	106				766949	30.0000	29
\$ 44 Bromofluorobenzene	95	11.808	11.808	(1.783)	152868	10.0000	9
45 1,1,2,2-Tetrachloroethane	83	11.967	11.967	(0.907)	70232	10.0000	9
46 Bromobenzene	156	11.988	11.988	(0.909)	146505	10.0000	10
47 1,2,3-Trichloropropane	75	12.020	12.020	(0.912)	56642	10.0000	9
48 n-Propylbenzene	91	12.115	12.115	(0.919)	797979	10.0000	10
49 2-Chlorotoluene	91	12.221	12.221	(0.927)	442976	10.0000	10
50 1,3,5-Trimethylbenzene	105	12.327	12.327	(0.935)	536931	10.0000	10
51 4-Chlorotoluene	91	12.349	12.349	(0.936)	496935	10.0000	10
52 tert-Butylbenzene	119	12.720	12.720	(0.965)	463701	10.0000	10
53 1,2,4-Trimethylbenzene	105	12.773	12.773	(0.969)	540267	10.0000	10
54 sec-Butylbenzene	105	12.975	12.975	(0.984)	738307	10.0000	10
55 1,3-Dichlorobenzene	146	13.112	13.112	(0.994)	305331	10.0000	9
56 4-Isopropyltoluene	119	13.144	13.144	(0.997)	610377	10.0000	10
* 57 1,4-Dichlorobenzene-d4	152	13.187	13.187	(1.000)	105743	5.00000	
58 1,4-Dichlorobenzene	146	13.208	13.208	(1.002)	296464	10.0000	9
\$ 59 1,2-Dichlorobenzene-d4	152	13.622	13.622	(1.033)	159981	10.0000	9
60 n-Butylbenzene	91	13.622	13.622	(1.033)	576908	10.0000	10
61 1,2-Dichlorobenzene	146	13.643	13.643	(1.035)	244950	10.0000	9
62 1,2-Dibromo-3-chloropropane	75	14.502	14.502	(1.100)	7795	10.0000	9
63 1,2,4-Trichlorobenzene	180	15.425	15.425	(1.170)	191234	10.0000	10

Data File: V2D4781.D  
Report Date: 24-Oct-2000 18:14

Compounds	QUANT		SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)	
===== 64 Hexachlorobutadiene	225	15.605	15.605	(1.183)	141748	10.0000	10	
65 Naphthalene	128	15.690	15.690	(1.190)	181529	10.0000	9	
66 1,2,3-Trichlorobenzene	180	15.945	15.945	(1.209)	139840	10.0000	9	

*AG*  
*10/24/00*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4784.D

Date : 16-OCT-2000 16:48

Client ID: VSTD0202J

Sample Info: 524.V2S1016E,VSTD0202J

Purge Volume: 25.0

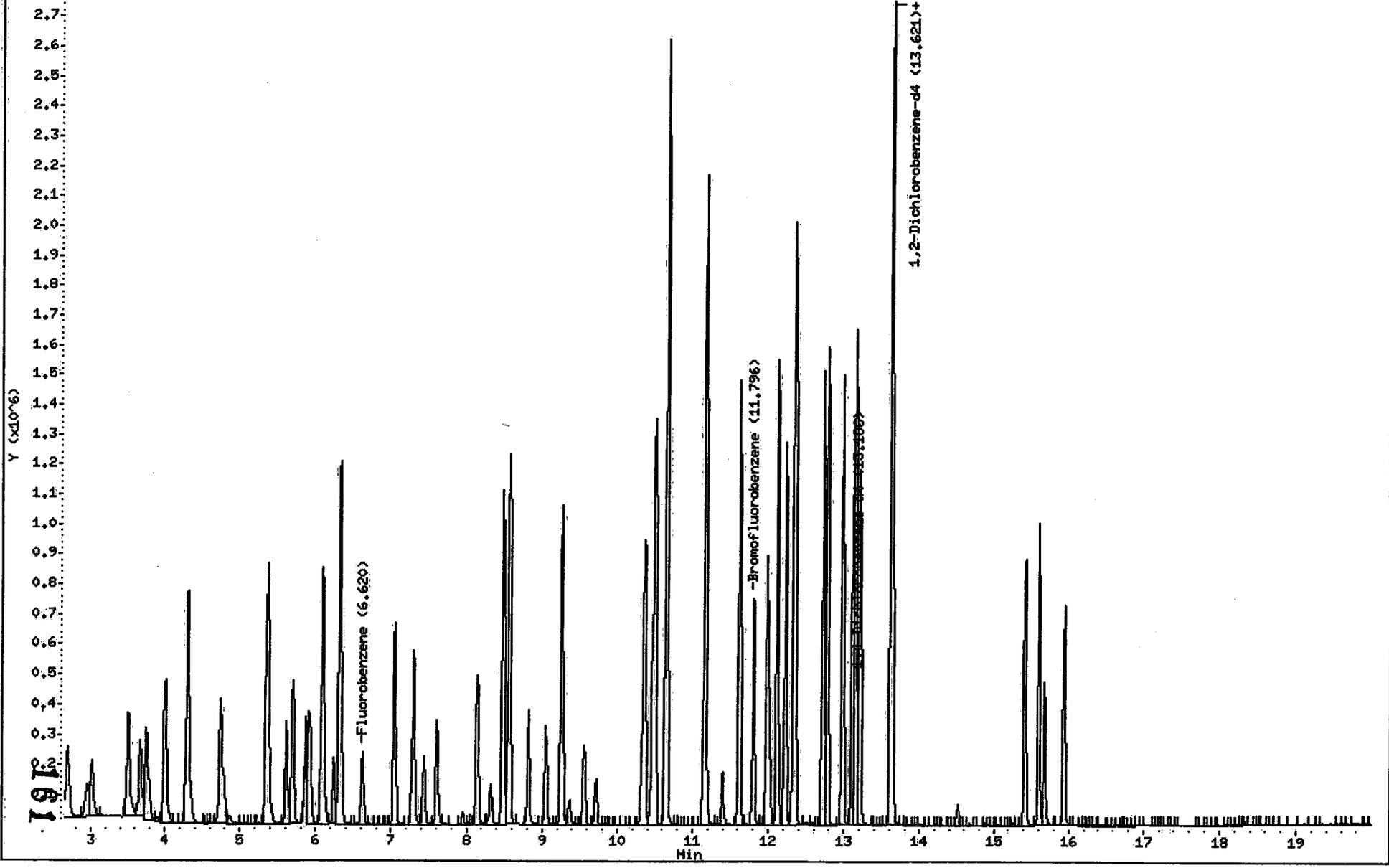
Column phaset: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25

\\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4784.D



Data File: V2D4784.D  
 Report Date: 24-Oct-2000 18:14

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4784.D  
 Lab Smp Id: V2S1016E Client Smp ID: VSTD0202J  
 Inj Date : 16-OCT-2000 16:48  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1016E,VSTD0202J  
 Misc Info : ,1,4  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:13 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 4 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT	SIG	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85		1.921	1.911	(0.290)	245882	20.0000	21
2 Chloromethane	50		2.101	2.102	(0.317)	786486	20.0000	23
3 Vinyl Chloride	62		2.250	2.250	(0.340)	573240	20.0000	23
4 Bromomethane	94		2.589	2.590	(0.391)	404670	20.0000	23
5 Chloroethane	64		2.684	2.685	(0.406)	339221	20.0000	23
6 Trichlorofluoromethane	101		3.013	3.014	(0.455)	236862	20.0000	21
7 1,1-Dichloroethene	96		3.512	3.513	(0.530)	196888	20.0000	19
8 Methylene Chloride	84		4.010	4.011	(0.606)	275300	20.0000	19
9 trans-1,2-Dichloroethene	96		4.307	4.308	(0.651)	293887	20.0000	20
10 Methyl tert-butyl ether	73		4.307	4.308	(0.651)	356181	20.0000	22
11 1,1-Dichloroethane	63		4.742	4.743	(0.716)	558958	20.0000	20
12 cis-1,2-Dichloroethene	96		5.358	5.358	(0.809)	289051	20.0000	21
13 2,2-Dichloropropane	77		5.368	5.369	(0.811)	318050	20.0000	19
M 14 1,2-Dichloroethene (Total)	96					582938	40.0000	41
15 Bromochloromethane	128		5.612	5.613	(0.848)	116870	20.0000	21
16 Chloroform	83		5.697	5.698	(0.861)	436687	20.0000	20

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
17 1,1,1-Trichloroethane	97	5.920	5.920	(0.894)	318686	20.0000	20
18 1,1-Dichloropropene	75	6.090	6.090	(0.920)	341881	20.0000	21
19 Carbon Tetrachloride	117	6.100	6.101	(0.921)	269557	20.0000	19
20 Benzene	78	6.323	6.313	(0.955)	1084016	20.0000	21
21 1,2-Dichloroethane	62	6.323	6.324	(0.955)	226583	20.0000	21
* 22 Fluorobenzene	96	6.620	6.620	(1.000)	256406	5.00000	
23 Trichloroethene	95	7.044	7.045	(1.064)	276230	20.0000	20
24 1,2-Dichloropropene	63	7.288	7.289	(1.101)	284026	20.0000	21
25 Dibromomethane	93	7.426	7.437	(1.122)	101751	20.0000	21
26 Bromodichloromethane	83	7.606	7.607	(1.149)	265599	20.0000	21
27 cis-1,3-Dichloropropene	75	8.137	8.137	(1.229)	325543	20.0000	22
28 Toluene	92	8.561	8.562	(1.293)	649033	20.0000	21
29 trans-1,3-Dichloropropene	75	8.816	8.816	(1.332)	227856	20.0000	22
30 1,1,2-Trichloroethane	83	9.049	9.050	(1.367)	116113	20.0000	21
31 Tetrachloroethene	166	9.261	9.262	(1.399)	322785	20.0000	20
32 1,3-Dichloropropene	76	9.261	9.262	(1.399)	228526	20.0000	22
33 Dibromochloromethane	129	9.558	9.559	(1.444)	175817	20.0000	22
34 1,2-Dibromoethane	107	9.717	9.718	(1.468)	138275	20.0000	22
35 Chlorobenzene	112	10.364	10.365	(1.566)	672681	20.0000	21
36 1,1,1,2-Tetrachloroethane	131	10.460	10.461	(1.580)	224897	20.0000	21
37 Ethylbenzene	91	10.502	10.503	(1.586)	1186658	20.0000	21
38 m,p-Xylene	106	10.651	10.651	(1.609)	951480	40.0000	42
39 o-Xylene	106	11.160	11.161	(1.686)	453883	20.0000	21
40 Styrene	104	11.171	11.171	(1.687)	714699	20.0000	22
42 Bromoform	173	11.404	11.405	(1.723)	110544	20.0000	22
43 Isopropylbenzene	105	11.616	11.617	(1.755)	1161211	20.0000	21
M 41 Xylene (Total)	106				1405363	60.0000	63
\$ 44 Bromofluorobenzene	95	11.796	11.808	(1.782)	306119	20.0000	22
45 1,1,2,2-Tetrachloroethane	83	11.966	11.967	(0.907)	154369	20.0000	22
46 Bromobenzene	156	11.987	11.988	(0.909)	290898	20.0000	21
47 1,2,3-Trichloropropene	75	12.019	12.020	(0.912)	124415	20.0000	22 (Q)
48 n-Propylbenzene	91	12.115	12.115	(0.919)	1431654	20.0000	20
49 2-Chlorotoluene	91	12.221	12.221	(0.927)	825435	20.0000	20
50 1,3,5-Trimethylbenzene	105	12.327	12.327	(0.935)	995251	20.0000	21
51 4-Chlorotoluene	91	12.348	12.349	(0.936)	927306	20.0000	20
52 tert-Butylbenzene	119	12.719	12.720	(0.965)	837401	20.0000	21
53 1,2,4-Trimethylbenzene	105	12.772	12.773	(0.969)	1016012	20.0000	21
54 sec-Butylbenzene	105	12.974	12.975	(0.984)	1299249	20.0000	20
55 1,3-Dichlorobenzene	146	13.112	13.112	(0.994)	584452	20.0000	20
56 4-Isopropyltoluene	119	13.144	13.144	(0.997)	1085034	20.0000	21
* 57 1,4-Dichlorobenzene-d4	152	13.186	13.187	(1.000)	95580	5.00000	
58 1,4-Dichlorobenzene	146	13.207	13.208	(1.002)	573937	20.0000	20
\$ 59 1,2-Dichlorobenzene-d4	152	13.621	13.622	(1.033)	301067	20.0000	19
60 n-Butylbenzene	91	13.621	13.622	(1.033)	1045560	20.0000	21
61 1,2-Dichlorobenzene	146	13.642	13.643	(1.035)	472770	20.0000	20
62 1,2-Dibromo-3-chloropropane	75	14.501	14.502	(1.100)	18259	20.0000	23
63 1,2,4-Trichlorobenzene	180	15.424	15.425	(1.170)	385482	20.0000	21

Data File: V2D4784.D  
Report Date: 24-Oct-2000 18:14

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
64 Hexachlorobutadiene	225	15.605	15.605	(1.183)	257796	20.0000	20
65 Naphthalene	128	15.679	15.690	(1.189)	417085	20.0000	23
66 1,2,3-Trichlorobenzene	180	15.944	15.945	(1.209)	303115	20.0000	21

QC Flag Legend

Q - Qualifier signal failed the ratio test.

*AA*  
*10/24/00*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4783.D

Date : 16-OCT-2000 16:18

Client ID: VSTD0402J

Sample Info: 524,V2S1016D,VSTD0402J

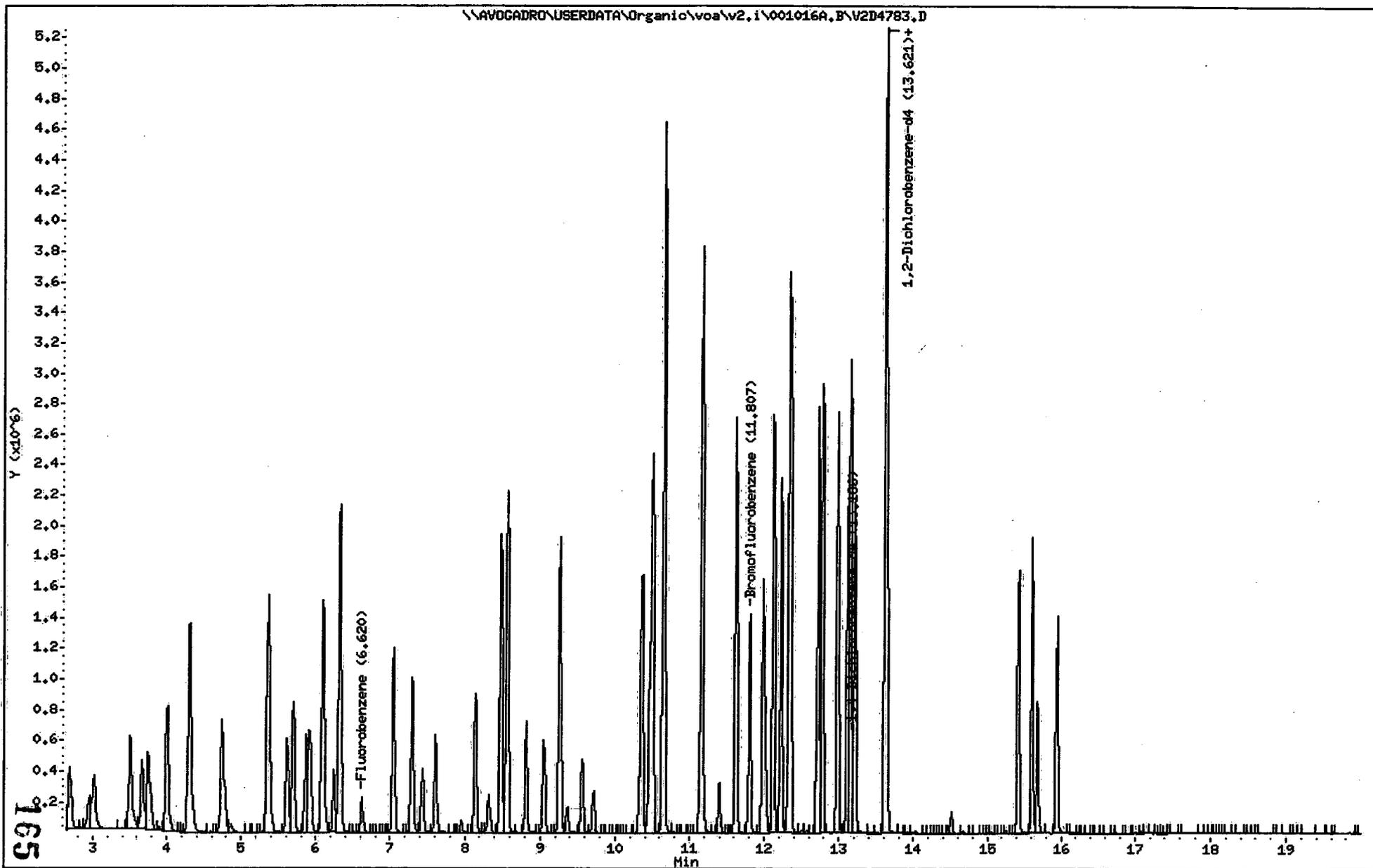
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4783.D  
 Report Date: 24-Oct-2000 18:14

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\V2D4783.D  
 Lab Smp Id: V2S1016D Client Smp ID: VSTD0402J  
 Inj Date : 16-OCT-2000 16:18  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1016D,VSTD0402J  
 Misc Info : ,1,5  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001016A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:13 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 3 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.921	1.911 (0.290)	497508	40.0000	45 (A)		
2 Chloromethane	50	2.101	2.102 (0.317)	1323313	40.0000	41 (A)		
3 Vinyl Chloride	62	2.250	2.250 (0.340)	972819	40.0000	41 (A)		
4 Bromomethane	94	2.589	2.590 (0.391)	704445	40.0000	43 (A)		
5 Chloroethane	64	2.685	2.685 (0.406)	573344	40.0000	42 (A)		
6 Trichlorofluoromethane	101	3.013	3.014 (0.455)	464439	40.0000	44 (A)		
7 1,1-Dichloroethene	96	3.512	3.513 (0.530)	347768	40.0000	36		
8 Methylene Chloride	84	4.011	4.011 (0.606)	479281	40.0000	34		
9 trans-1,2-Dichloroethene	96	4.297	4.308 (0.649)	513001	40.0000	37		
10 Methyl tert-butyl ether	73	4.308	4.308 (0.651)	629829	40.0000	42 (A)		
11 1,1-Dichloroethane	63	4.742	4.743 (0.716)	989304	40.0000	38		
12 cis-1,2-Dichloroethene	96	5.358	5.358 (0.809)	514216	40.0000	39		
13 2,2-Dichloropropane	77	5.368	5.369 (0.811)	578533	40.0000	37		
M 14 1,2-Dichloroethene (Total)	96			1027217	80.0000	77		
15 Bromochloromethane	128	5.612	5.613 (0.848)	211446	40.0000	41 (A)		
16 Chloroform	83	5.697	5.698 (0.861)	785725	40.0000	38		

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.920	5.920	(0.894)	573774	40.0000	37
18 1,1-Dichloropropene	75	6.090	6.090	(0.920)	603503	40.0000	39
19 Carbon Tetrachloride	117	6.100	6.101	(0.921)	486622	40.0000	37
20 Benzene	78	6.323	6.313	(0.955)	1895899	40.0000	38
21 1,2-Dichloroethane	62	6.323	6.324	(0.955)	413912	40.0000	41 (A)
* 22 Fluorobenzene	96	6.620	6.620	(1.000)	241417	5.00000	
23 Trichloroethene	95	7.044	7.045	(1.064)	492478	40.0000	38
24 1,2-Dichloropropane	63	7.288	7.289	(1.101)	504450	40.0000	40
25 Dibromomethane	93	7.426	7.437	(1.122)	188712	40.0000	42 (A)
26 Bromodichloromethane	83	7.606	7.607	(1.149)	484897	40.0000	41 (A)
27 cis-1,3-Dichloropropene	75	8.137	8.137	(1.229)	599693	40.0000	43 (A)
28 Toluene	92	8.561	8.562	(1.293)	1170295	40.0000	39
29 trans-1,3-Dichloropropene	75	8.816	8.816	(1.332)	434478	40.0000	45 (A)
30 1,1,2-Trichloroethane	83	9.049	9.050	(1.367)	215659	40.0000	42 (A)
31 Tetrachloroethene	166	9.261	9.262	(1.399)	576835	40.0000	37
32 1,3-Dichloropropane	76	9.261	9.262	(1.399)	416945	40.0000	42 (A)
33 Dibromochloromethane	129	9.558	9.559	(1.444)	330640	40.0000	44 (A)
34 1,2-Dibromoethane	107	9.717	9.718	(1.468)	250811	40.0000	43 (A)
35 Chlorobenzene	112	10.365	10.365	(1.566)	1201369	40.0000	39
36 1,1,1,2-Tetrachloroethane	131	10.460	10.461	(1.580)	409004	40.0000	41 (A)
37 Ethylbenzene	91	10.502	10.503	(1.586)	2132433	40.0000	40
38 m,p-Xylene	106	10.651	10.651	(1.609)	1690376	80.0000	78
39 o-Xylene	106	11.160	11.161	(1.686)	814445	40.0000	40 (A)
40 Styrene	104	11.171	11.171	(1.687)	1293777	40.0000	42 (A)
42 Bromoform	173	11.404	11.405	(1.723)	215339	40.0000	46 (A)
43 Isopropylbenzene	105	11.616	11.617	(1.755)	2142547	40.0000	41 (A)
M 41 Xylene (Total)	106				2504821	120.000	120
\$ 44 Bromofluorobenzene	95	11.797	11.808	(1.782)	564691	40.0000	42 (A)
45 1,1,2,2-Tetrachloroethane	83	11.966	11.967	(0.907)	291776	40.0000	39
46 Bromobenzene	156	11.987	11.988	(0.909)	533675	40.0000	36
47 1,2,3-Trichloropropane	75	12.019	12.020	(0.912)	235786	40.0000	39 (Q)
48 n-Propylbenzene	91	12.115	12.115	(0.919)	2651175	40.0000	36
49 2-Chlorotoluene	91	12.221	12.221	(0.927)	1524122	40.0000	35
50 1,3,5-Trimethylbenzene	105	12.327	12.327	(0.935)	1828167	40.0000	36
51 4-Chlorotoluene	91	12.348	12.349	(0.936)	1701208	40.0000	36
52 tert-Butylbenzene	119	12.719	12.720	(0.965)	1544479	40.0000	36
53 1,2,4-Trimethylbenzene	105	12.772	12.773	(0.969)	1886268	40.0000	37
54 sec-Butylbenzene	105	12.985	12.975	(0.985)	2477411	40.0000	37
55 1,3-Dichlorobenzene	146	13.112	13.112	(0.994)	1084165	40.0000	35
56 4-Isopropyltoluene	119	13.144	13.144	(0.997)	2054955	40.0000	37
* 57 1,4-Dichlorobenzene-d4	152	13.186	13.187	(1.000)	100916	5.00000	
58 1,4-Dichlorobenzene	146	13.207	13.208	(1.002)	1076585	40.0000	36
\$ 59 1,2-Dichlorobenzene-d4	152	13.621	13.622	(1.033)	588460	40.0000	36
60 n-Butylbenzene	91	13.621	13.622	(1.033)	1936418	40.0000	36
61 1,2-Dichlorobenzene	146	13.642	13.643	(1.035)	874814	40.0000	35
62 1,2-Dibromo-3-chloropropane	75	14.501	14.502	(1.100)	32986	40.0000	40
63 1,2,4-Trichlorobenzene	180	15.424	15.425	(1.170)	725572	40.0000	38

Compounds	QUANT SIG						AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)	
===== 64 Hexachlorobutadiene	225	15.605	15.605	(1.183)	497422	40.0000	36	
65 Naphthalene	128	15.679	15.690	(1.189)	797599	40.0000	42(A)	
66 1,2,3-Trichlorobenzene	180	15.944	15.945	(1.209)	557922	40.0000	37	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.

*AA*  
*10/24/00*

FORM 7  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Instrument ID: V2                      Calibration Date: 10/17/00      Time: 1101  
 Lab File ID: V2D4792                      Init. Calib. Date(s): 10/16/00      10/16/00  
 Heated Purge: (Y/N) N                      Init. Calib. Times:      1517                      1718  
 GC Column: DB-624      ID: 0.25 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.228	0.224	0.05	1.8	30.0
Chloromethane	0.661	0.629	0.05	4.8	30.0
Vinyl Chloride	0.487	0.470	0.05	3.5	30.0
Bromomethane	0.341	0.270	0.05	20.8	30.0
Chloroethane	0.284	0.282	0.05	0.7	30.0
Trichlorofluoromethane	0.218	0.209	0.05	4.1	30.0
1,1-Dichloroethene	0.201	0.179	0.05	10.9	30.0
Methylene Chloride	0.288	0.220	0.05	23.6	30.0
trans-1,2-Dichloroethene	0.283	0.266	0.05	6.0	30.0
Methyl tert-butyl ether	0.310	0.294	0.05	5.2	30.0
1,1-Dichloroethane	0.540	0.590	0.05	9.2	30.0
cis-1,2-Dichloroethene	0.270	0.253	0.05	6.3	30.0
2,2-Dichloropropane	0.322	0.358	0.05	11.2	30.0
1,2-Dichloroethane	0.208	0.187	0.05	10.1	30.0
Bromochloromethane	0.107	0.085	0.05	20.6	30.0
Chloroform	0.433	0.393	0.05	9.2	30.0
Carbon Tetrachloride	0.270	0.265	0.05	1.8	30.0
1,1,1-Trichloroethane	0.319	0.327	0.05	2.5	30.0
1,1-Dichloropropene	0.322	0.387	0.05	20.2	30.0
Trichloroethene	0.268	0.266	0.05	0.7	30.0
1,2-Dichloropropane	0.263	0.297	0.05	12.9	30.0
Benzene	1.024	1.072	0.05	4.7	30.0
Dibromomethane	0.093	0.082	0.05	11.8	30.0
Bromodichloromethane	0.246	0.229	0.05	6.9	30.0
cis-1,3-Dichloropropene	0.290	0.298	0.05	2.8	30.0
Toluene	0.614	0.621	0.05	1.1	30.0
trans-1,3-Dichloropropene	0.198	0.193	0.05	2.5	30.0
1,1,2-Trichloroethane	0.106	0.092	0.05	13.2	30.0
Tetrachloroethene	0.319	0.288	0.05	9.7	30.0
1,3-Dichloropropane	0.205	0.197	0.05	3.9	30.0
Dibromochloromethane	0.156	0.130	0.05	16.7	30.0
1,2-Dibromoethane	0.122	0.101	0.05	17.2	30.0
Chlorobenzene	0.636	0.579	0.05	9.0	30.0
1,1,1,2-Tetrachloroethane	0.207	0.176	0.05	15.0	30.0
Ethylbenzene	1.105	1.139	0.05	3.1	30.0
m,p-Xylene	0.447	0.419	0.05	6.3	30.0
o-Xylene	0.417	0.394	0.05	5.5	30.0

C.C.  
11/17 1101

FORM 7  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Instrument ID: V2                      Calibration Date: 10/17/00      Time: 1101  
 Lab File ID: V2D4792                      Init. Calib. Date(s): 10/16/00      10/16/00  
 Heated Purge: (Y/N) N                      Init. Calib. Times:      1517                      1718  
 GC Column: DB-624      ID: 0.25 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Styrene	0.645	0.608	0.05	5.7	30.0
Bromoform	0.097	0.076	0.05	21.6	30.0
Isopropylbenzene	1.072	1.078	0.05	0.6	30.0
1,1,2,2-Tetrachloroethane	0.367	0.368	0.05	0.3	30.0
Bromobenzene	0.724	0.731	0.05	1.0	30.0
1,2,3-Trichloropropane	0.301	0.254	0.05	15.6	30.0
n-Propylbenzene	3.651	4.699	0.05	28.7	30.0
2-Chlorotoluene	2.130	2.451	0.05	15.1	30.0
1,3,5-Trimethylbenzene	2.523	2.948	0.05	16.8	30.0
4-Chlorotoluene	2.372	2.734	0.05	15.3	30.0
tert-Butylbenzene	2.121	2.600	0.05	22.6	30.0
1,2,4-Trimethylbenzene	2.530	2.877	0.05	13.7	30.0
sec-Butylbenzene	3.342	4.058	0.05	21.4	30.0
1,3-Dichlorobenzene	1.520	1.525	0.05	0.3	30.0
4-Isopropyltoluene	2.753	3.328	0.05	20.9	30.0
1,4-Dichlorobenzene	1.494	1.454	0.05	2.7	30.0
n-Butylbenzene	2.634	3.418	0.05	29.8	30.0
1,2-Dichlorobenzene	1.222	1.168	0.05	4.4	30.0
1,2-Dibromo-3-chloropropane	0.041	0.039	0.01	4.9	30.0
1,2,4-Trichlorobenzene	0.945	0.909	0.05	3.8	30.0
Hexachlorobutadiene	0.685	0.766	0.05	11.8	30.0
Naphthalene	0.948	0.858	0.05	9.5	30.0
1,2,3-Trichlorobenzene	0.745	0.696	0.05	6.6	30.0
Bromofluorobenzene	0.275	0.250	0.05	9.1	30.0
1,2-Dichlorobenzene-d4	0.808	0.818	0.05	1.2	30.0

FORM 7  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Instrument ID: V2                      Calibration Date: 10/17/00      Time: 2211  
 Lab File ID: V2D4811                      Init. Calib. Date(s): 10/16/00      10/16/00  
 Heated Purge: (Y/N) N                      Init. Calib. Times:      1517                      1718  
 GC Column: DB-624      ID: 0.25 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.228	0.204	0.05	10.5	30.0
Chloromethane	0.661	0.541	0.05	18.2	30.0
Vinyl Chloride	0.487	0.414	0.05	15.0	30.0
Bromomethane	0.341	0.259	0.05	24.0	30.0
Chloroethane	0.284	0.251	0.05	11.6	30.0
Trichlorofluoromethane	0.218	0.168	0.05	22.9	30.0
1,1-Dichloroethene	0.201	0.179	0.05	10.9	30.0
Methylene Chloride	0.288	0.229	0.05	20.5	30.0
trans-1,2-Dichloroethene	0.283	0.266	0.05	6.0	30.0
Methyl tert-butyl ether	0.310	0.297	0.05	4.2	30.0
1,1-Dichloroethane	0.540	0.579	0.05	7.2	30.0
cis-1,2-Dichloroethene	0.270	0.258	0.05	4.4	30.0
2,2-Dichloropropane	0.322	0.306	0.05	5.0	30.0
1,2-Dichloroethane	0.208	0.199	0.05	4.3	30.0
Bromochloromethane	0.107	0.090	0.05	15.9	30.0
Chloroform	0.433	0.411	0.05	5.1	30.0
Carbon Tetrachloride	0.270	0.272	0.05	0.7	30.0
1,1,1-Trichloroethane	0.319	0.329	0.05	3.1	30.0
1,1-Dichloropropene	0.322	0.379	0.05	17.7	30.0
Trichloroethene	0.268	0.263	0.05	1.9	30.0
1,2-Dichloropropane	0.263	0.285	0.05	8.4	30.0
Benzene	1.024	1.059	0.05	3.4	30.0
Dibromomethane	0.093	0.085	0.05	8.6	30.0
Bromodichloromethane	0.246	0.243	0.05	1.2	30.0
cis-1,3-Dichloropropene	0.290	0.291	0.05	0.3	30.0
Toluene	0.614	0.609	0.05	0.8	30.0
trans-1,3-Dichloropropene	0.198	0.190	0.05	4.0	30.0
1,1,2-Trichloroethane	0.106	0.096	0.05	9.4	30.0
Tetrachloroethene	0.319	0.292	0.05	8.5	30.0
1,3-Dichloropropane	0.205	0.192	0.05	6.3	30.0
Dibromochloromethane	0.156	0.134	0.05	14.1	30.0
1,2-Dibromoethane	0.122	0.101	0.05	17.2	30.0
Chlorobenzene	0.636	0.568	0.05	10.7	30.0
1,1,1,2-Tetrachloroethane	0.207	0.181	0.05	12.6	30.0
Ethylbenzene	1.105	1.111	0.05	0.5	30.0
m,p-Xylene	0.447	0.410	0.05	8.3	30.0
o-Xylene	0.417	0.382	0.05	8.4	30.0

C.C.  
10/17/00

FORM 7  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Instrument ID: V2                      Calibration Date: 10/17/00      Time: 2211  
 Lab File ID: V2D4811                      Init. Calib. Date(s): 10/16/00      10/16/00  
 Heated Purge: (Y/N) N                      Init. Calib. Times:      1517                      1718  
 GC Column: DB-624      ID: 0.25 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Styrene	0.645	0.591	0.05	8.4	30.0
Bromoform	0.097	0.078	0.05	19.6	30.0
Isopropylbenzene	1.072	1.052	0.05	1.9	30.0
1,1,2,2-Tetrachloroethane	0.367	0.404	0.05	10.1	30.0
Bromobenzene	0.724	0.760	0.05	5.0	30.0
1,2,3-Trichloropropane	0.301	0.307	0.05	2.0	30.0
n-Propylbenzene	3.651	4.721	0.05	29.3	30.0
2-Chlorotoluene	2.130	2.550	0.05	19.7	30.0
1,3,5-Trimethylbenzene	2.523	3.002	0.05	19.0	30.0
4-Chlorotoluene	2.372	2.820	0.05	18.9	30.0
tert-Butylbenzene	2.121	2.562	0.05	20.8	30.0
1,2,4-Trimethylbenzene	2.530	2.940	0.05	16.2	30.0
sec-Butylbenzene	3.342	4.101	0.05	22.7	30.0
1,3-Dichlorobenzene	1.520	1.550	0.05	2.0	30.0
4-Isopropyltoluene	2.753	3.206	0.05	16.4	30.0
1,4-Dichlorobenzene	1.494	1.480	0.05	0.9	30.0
n-Butylbenzene	2.634	3.392	0.05	28.8	30.0
1,2-Dichlorobenzene	1.222	1.226	0.05	0.3	30.0
1,2-Dibromo-3-chloropropane	0.041	0.047	0.01	14.6	30.0
1,2,4-Trichlorobenzene	0.945	0.938	0.05	0.7	30.0
Hexachlorobutadiene	0.685	0.726	0.05	6.0	30.0
Naphthalene	0.948	0.915	0.05	3.5	30.0
1,2,3-Trichlorobenzene	0.745	0.710	0.05	4.7	30.0
Bromofluorobenzene	0.275	0.248	0.05	9.8	30.0
1,2-Dichlorobenzene-d4	0.808	0.805	0.05	0.4	30.0

FORM 7  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Instrument ID: V2                      Calibration Date: 10/18/00      Time: 0940  
 Lab File ID: V2D4831                      Init. Calib. Date(s): 10/16/00      10/16/00  
 Heated Purge: (Y/N) N                      Init. Calib. Times:      1517                      1718  
 GC Column: DB-624      ID: 0.25 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.228	0.209	0.05	8.3	30.0
Chloromethane	0.661	0.564	0.05	14.7	30.0
Vinyl Chloride	0.487	0.446	0.05	8.4	30.0
Bromomethane	0.341	0.282	0.05	17.3	30.0
Chloroethane	0.284	0.263	0.05	7.4	30.0
Trichlorofluoromethane	0.218	0.190	0.05	12.8	30.0
1,1-Dichloroethene	0.201	0.188	0.05	6.5	30.0
Methylene Chloride	0.288	0.229	0.05	20.5	30.0
trans-1,2-Dichloroethene	0.283	0.282	0.05	0.4	30.0
Methyl tert-butyl ether	0.310	0.278	0.05	10.3	30.0
1,1-Dichloroethane	0.540	0.581	0.05	7.6	30.0
cis-1,2-Dichloroethene	0.270	0.268	0.05	0.7	30.0
2,2-Dichloropropane	0.322	0.377	0.05	17.1	30.0
1,2-Dichloroethane	0.208	0.197	0.05	5.3	30.0
Bromochloromethane	0.107	0.090	0.05	15.9	30.0
Chloroform	0.433	0.419	0.05	3.2	30.0
Carbon Tetrachloride	0.270	0.279	0.05	3.3	30.0
1,1,1-Trichloroethane	0.319	0.341	0.05	6.9	30.0
1,1-Dichloropropene	0.322	0.390	0.05	21.1	30.0
Trichloroethene	0.268	0.279	0.05	4.1	30.0
1,2-Dichloropropane	0.263	0.284	0.05	8.0	30.0
Benzene	1.024	1.081	0.05	5.6	30.0
Dibromomethane	0.093	0.085	0.05	8.6	30.0
Bromodichloromethane	0.246	0.242	0.05	1.6	30.0
cis-1,3-Dichloropropene	0.290	0.301	0.05	3.8	30.0
Toluene	0.614	0.632	0.05	2.9	30.0
trans-1,3-Dichloropropene	0.198	0.189	0.05	4.5	30.0
1,1,2-Trichloroethane	0.106	0.092	0.05	13.2	30.0
Tetrachloroethene	0.319	0.319	0.05	0.0	30.0
1,3-Dichloropropane	0.205	0.188	0.05	8.3	30.0
Dibromochloromethane	0.156	0.135	0.05	13.5	30.0
1,2-Dibromoethane	0.122	0.104	0.05	14.8	30.0
Chlorobenzene	0.636	0.591	0.05	7.1	30.0
1,1,1,2-Tetrachloroethane	0.207	0.189	0.05	8.7	30.0
Ethylbenzene	1.105	1.155	0.05	4.5	30.0
m,p-Xylene	0.447	0.437	0.05	2.2	30.0
o-Xylene	0.417	0.403	0.05	3.4	30.0

C.C.  
10/18  
0940

FORM 7  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION                      Contract:  
 Lab Code: MITKEM      Case No.:                      SAS No.:                      SDG No.: 71643  
 Instrument ID: V2                      Calibration Date: 10/18/00      Time: 0940  
 Lab File ID: V2D4831                      Init. Calib. Date(s): 10/16/00      10/16/00  
 Heated Purge: (Y/N) N                      Init. Calib. Times:      1517                      1718  
 GC Column: DB-624      ID: 0.25 (mm)

COMPOUND	RRF	RRF10	MIN RRF	%D	MAX %D
Styrene	0.645	0.612	0.05	5.1	30.0
Bromoform	0.097	0.077	0.05	20.6	30.0
Isopropylbenzene	1.072	1.123	0.05	4.8	30.0
1,1,2,2-Tetrachloroethane	0.367	0.402	0.05	9.5	30.0
Bromobenzene	0.724	0.783	0.05	8.1	30.0
1,2,3-Trichloropropane	0.301	0.345	0.05	14.6	30.0
n-Propylbenzene	3.651	4.960	0.05	35.8	30.0
2-Chlorotoluene	2.130	2.631	0.05	23.5	30.0
1,3,5-Trimethylbenzene	2.523	3.111	0.05	23.3	30.0
4-Chlorotoluene	2.372	2.876	0.05	21.2	30.0
tert-Butylbenzene	2.121	2.691	0.05	26.9	30.0
1,2,4-Trimethylbenzene	2.530	3.049	0.05	20.5	30.0
sec-Butylbenzene	3.342	4.327	0.05	29.5	30.0
1,3-Dichlorobenzene	1.520	1.597	0.05	5.1	30.0
4-Isopropyltoluene	2.753	3.433	0.05	24.7	30.0
1,4-Dichlorobenzene	1.494	1.541	0.05	3.1	30.0
n-Butylbenzene	2.634	3.565	0.05	35.3	30.0
1,2-Dichlorobenzene	1.222	1.230	0.05	0.6	30.0
1,2-Dibromo-3-chloropropane	0.041	0.047	0.01	14.6	30.0
1,2,4-Trichlorobenzene	0.945	0.963	0.05	1.9	30.0
Hexachlorobutadiene	0.685	0.800	0.05	16.8	30.0
Naphthalene	0.948	0.921	0.05	2.8	30.0
1,2,3-Trichlorobenzene	0.745	0.717	0.05	3.8	30.0
Bromofluorobenzene	0.275	0.254	0.05	7.6	30.0
1,2-Dichlorobenzene-d4	0.808	0.861	0.05	6.6	30.0

Data File: \\AVOCADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4792.D

Date : 17-OCT-2000 11:01

Client ID: VSTD0102K

Sample Info: 524,V281017A,VSTD0102K

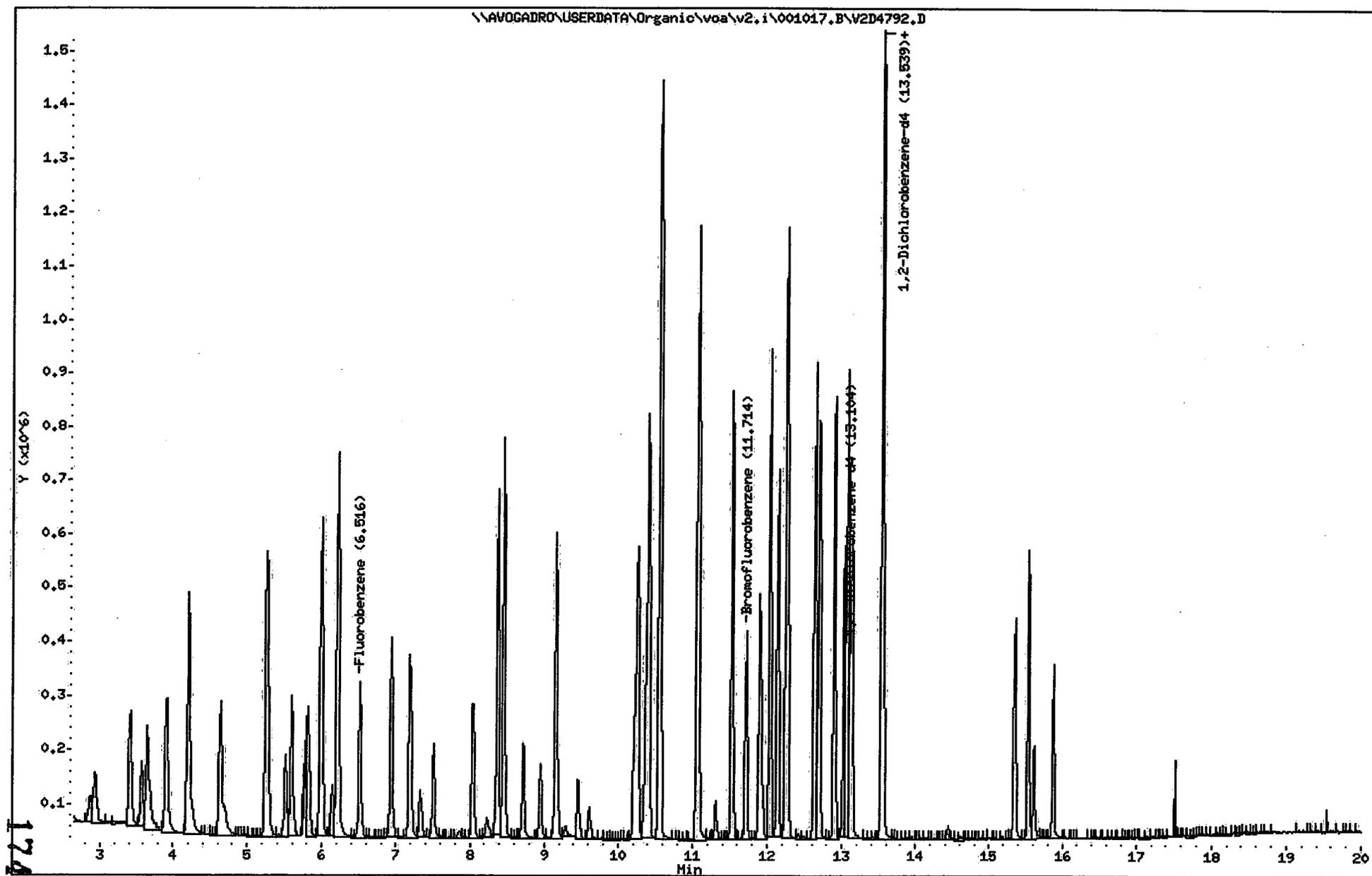
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4792.D  
 Lab Smp Id: V2S1017A Client Smp ID: VSTD0102K  
 Inj Date : 17-OCT-2000 11:01  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1017A,VSTD0102K  
 Misc Info : ,1,3  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 2 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.860	1.860	(0.285)	129600	10.0000	10	
2 Chloromethane	50	2.072	2.072	(0.318)	363428	10.0000	10	
3 Vinyl Chloride	62	2.199	2.199	(0.337)	271384	10.0000	10	
4 Bromomethane	94	2.539	2.539	(0.390)	155834	10.0000	8	
5 Chloroethane	64	2.613	2.613	(0.401)	162887	10.0000	10	
6 Trichlorofluoromethane	101	2.931	2.931	(0.450)	120568	10.0000	10	
7 1,1-Dichloroethene	96	3.419	3.419	(0.525)	103249	10.0000	9	
8 Methylene Chloride	84	3.918	3.918	(0.601)	127112	10.0000	8	
9 trans-1,2-Dichloroethene	96	4.204	4.204	(0.645)	153438	10.0000	9	
10 Methyl tert-butyl ether	73	4.225	4.225	(0.648)	170126	10.0000	10	
11 1,1-Dichloroethane	63	4.639	4.639	(0.712)	341226	10.0000	11	
12 cis-1,2-Dichloroethene	96	5.254	5.254	(0.806)	146271	10.0000	9	
13 2,2-Dichloropropane	77	5.265	5.265	(0.808)	206898	10.0000	11	
M 14 1,2-Dichloroethene (Total)	96				299709	20.0000	19	
15 Bromochloromethane	128	5.509	5.509	(0.845)	49028	10.0000	8	
16 Chloroform	83	5.593	5.593	(0.858)	227122	10.0000	9	

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	=====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.806	5.806	(0.891)	189191	10.0000	10
18 1,1-Dichloropropene	75	5.986	5.986	(0.919)	223473	10.0000	12
19 Carbon Tetrachloride	117	5.997	5.997	(0.920)	153160	10.0000	10
20 Benzene	78	6.209	6.209	(0.953)	619388	10.0000	10
21 1,2-Dichloroethane	62	6.219	6.219	(0.954)	108328	10.0000	9
* 22 Fluorobenzene	96	6.516	6.516	(1.000)	288911	5.00000	
23 Trichloroethene	95	6.930	6.930	(1.063)	153833	10.0000	10
24 1,2-Dichloropropene	63	7.185	7.185	(1.103)	171716	10.0000	11
25 Dibromomethane	93	7.333	7.333	(1.125)	47413	10.0000	9
26 Bromodichloromethane	83	7.503	7.503	(1.151)	132583	10.0000	9
27 cis-1,3-Dichloropropene	75	8.033	8.033	(1.233)	172373	10.0000	10
28 Toluene	92	8.458	8.458	(1.298)	359072	10.0000	10
29 trans-1,3-Dichloropropene	75	8.712	8.712	(1.337)	111380	10.0000	10
30 1,1,2-Trichloroethane	83	8.945	8.945	(1.373)	53363	10.0000	9
31 Tetrachloroethene	166	9.158	9.158	(1.405)	166243	10.0000	9
32 1,3-Dichloropropane	76	9.168	9.168	(1.407)	113627	10.0000	10
33 Dibromochloromethane	129	9.465	9.465	(1.453)	75082	10.0000	8
34 1,2-Dibromoethane	107	9.614	9.614	(1.475)	58546	10.0000	8
35 Chlorobenzene	112	10.261	10.261	(1.575)	334546	10.0000	9
36 1,1,1,2-Tetrachloroethane	131	10.367	10.367	(1.591)	101966	10.0000	8
37 Ethylbenzene	91	10.399	10.399	(1.596)	658292	10.0000	10
38 m,p-Xylene	106	10.558	10.558	(1.620)	484085	20.0000	19
39 o-Xylene	106	11.067	11.067	(1.698)	227693	10.0000	9
40 Styrene	104	11.078	11.078	(1.700)	351535	10.0000	9
42 Bromoform	173	11.311	11.311	(1.736)	43913	10.0000	8
43 Isopropylbenzene	105	11.523	11.523	(1.768)	622706	10.0000	10
M 41 Xylene (Total)	106				711778	30.0000	28
\$ 44 Bromofluorobenzene	95	11.714	11.714	(1.798)	144607	10.0000	9
45 1,1,2,2-Tetrachloroethane	83	11.884	11.884	(0.907)	63171	10.0000	10
46 Bromobenzene	156	11.905	11.905	(0.909)	125336	10.0000	10
47 1,2,3-Trichloropropane	75	11.937	11.937	(0.911)	43544	10.0000	8
48 n-Propylbenzene	91	12.032	12.032	(0.918)	805388	10.0000	13
49 2-Chlorotoluene	91	12.138	12.138	(0.926)	419997	10.0000	12
50 1,3,5-Trimethylbenzene	105	12.245	12.245	(0.934)	505323	10.0000	12
51 4-Chlorotoluene	91	12.266	12.266	(0.936)	468488	10.0000	12
52 tert-Butylbenzene	119	12.637	12.637	(0.964)	445541	10.0000	12
53 1,2,4-Trimethylbenzene	105	12.701	12.701	(0.969)	493115	10.0000	11
54 sec-Butylbenzene	105	12.902	12.902	(0.985)	695421	10.0000	12
55 1,3-Dichlorobenzene	146	13.029	13.029	(0.994)	261300	10.0000	10
56 4-Isopropyltoluene	119	13.072	13.072	(0.998)	570379	10.0000	12
* 57 1,4-Dichlorobenzene-d4	152	13.104	13.104	(1.000)	85692	5.00000	
58 1,4-Dichlorobenzene	146	13.136	13.136	(1.002)	249182	10.0000	10
\$ 59 1,2-Dichlorobenzene-d4	152	13.539	13.539	(1.033)	140276	10.0000	10
60 n-Butylbenzene	91	13.539	13.539	(1.033)	585890	10.0000	13
61 1,2-Dichlorobenzene	146	13.560	13.560	(1.035)	200241	10.0000	10
62 1,2-Dibromo-3-chloropropane	75	14.430	14.430	(1.101)	6765	10.0000	10
63 1,2,4-Trichlorobenzene	180	15.353	15.353	(1.172)	155736	10.0000	10

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.533	15.533	(1.185)	131233	10.0000	11
65 Naphthalene	128	15.618	15.618	(1.192)	147053	10.0000	9
66 1,2,3-Trichlorobenzene	180	15.872	15.872	(1.211)	119320	10.0000	9

A9  
10/24/00

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4811.D

Date : 17-OCT-2000 22:11

Client ID: VSTD0502L

Sample Info: 524,V2S1017B,VSTD0502L

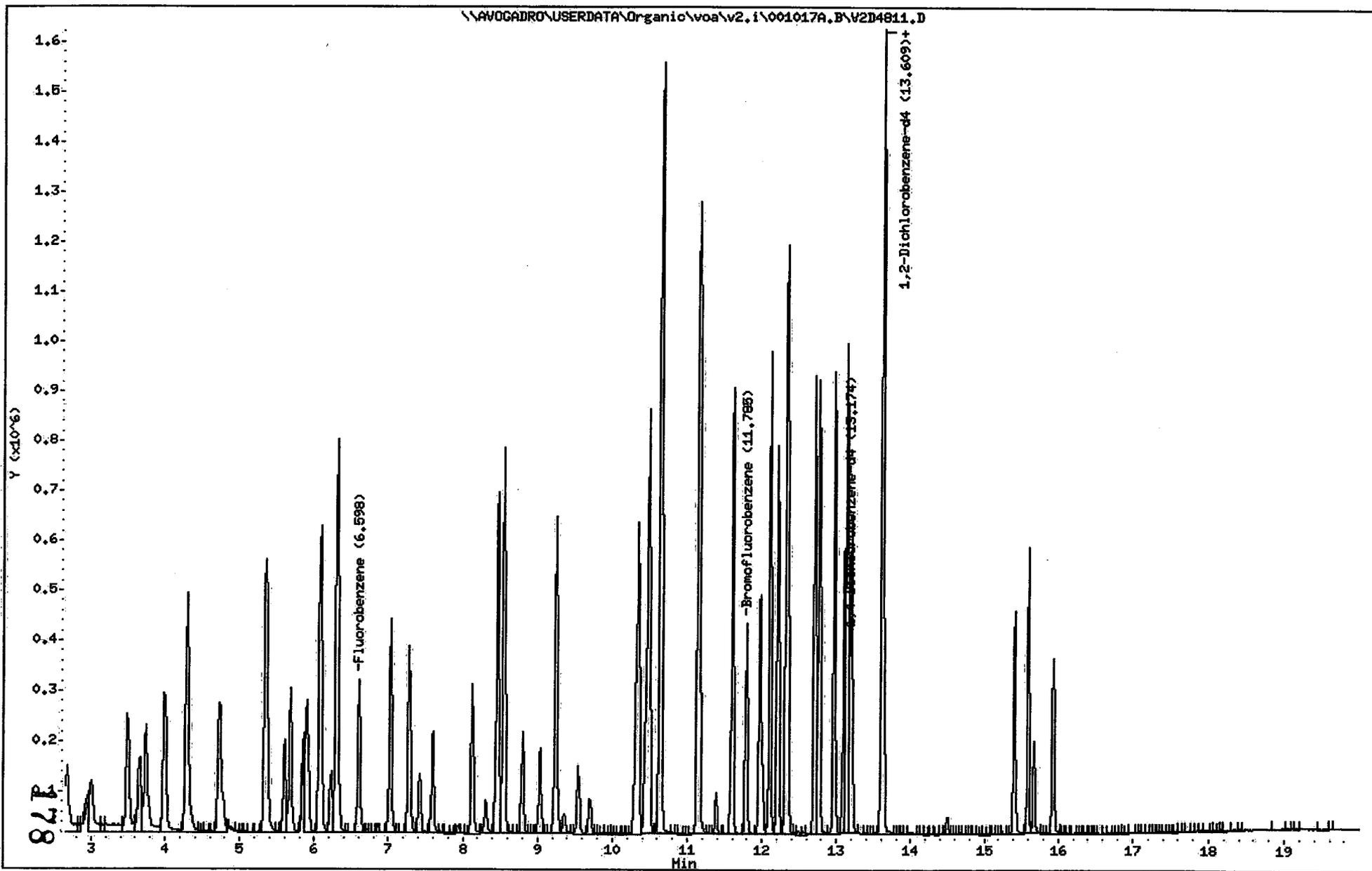
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4811.D  
 Report Date: 24-Oct-2000 18:38

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4811.D  
 Lab Smp Id: V2S1017B Client Smp ID: VSTD0502L  
 Inj Date : 17-OCT-2000 22:11  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1017B,VSTD0502L  
 Misc Info : ,2  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 21 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT	SIG	AMOUNTS					
			RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85		1.920	1.920	(0.291)	132157	10.0000	9
2 Chloromethane	50		2.068	2.068	(0.313)	350746	10.0000	8
3 Vinyl Chloride	62		2.227	2.227	(0.338)	268754	10.0000	8
4 Bromomethane	94		2.567	2.567	(0.389)	167781	10.0000	8
5 Chloroethane	64		2.673	2.673	(0.405)	162881	10.0000	9
6 Trichlorofluoromethane	101		3.002	3.002	(0.455)	109379	10.0000	8(H)
7 1,1-Dichloroethene	96		3.490	3.490	(0.529)	116053	10.0000	9
8 Methylene Chloride	84		3.988	3.988	(0.604)	148488	10.0000	8
9 trans-1,2-Dichloroethene	96		4.285	4.285	(0.650)	172692	10.0000	9
10 Methyl tert-butyl ether	73		4.296	4.296	(0.651)	192488	10.0000	10
11 1,1-Dichloroethane	63		4.720	4.720	(0.715)	375628	10.0000	11
12 cis-1,2-Dichloroethene	96		5.346	5.346	(0.810)	167637	10.0000	10
13 2,2-Dichloropropane	77		5.357	5.357	(0.812)	198445	10.0000	10
M 14 1,2-Dichloroethene (Total)	96					340329	20.0000	19
15 Bromochloromethane	128		5.601	5.601	(0.849)	58249	10.0000	8
16 Chloroform	83		5.675	5.675	(0.860)	266527	10.0000	9

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.898	5.898	(0.894)	213502	10.0000	10
18 1,1-Dichloropropene	75	6.067	6.067	(0.920)	245708	10.0000	12
19 Carbon Tetrachloride	117	6.088	6.088	(0.923)	176479	10.0000	10
20 Benzene	78	6.301	6.301	(0.955)	686849	10.0000	10
21 1,2-Dichloroethane	62	6.311	6.311	(0.957)	128981	10.0000	10
* 22 Fluorobenzene	96	6.598	6.598	(1.000)	324394	5.00000	
23 Trichloroethene	95	7.022	7.022	(1.064)	170791	10.0000	10
24 1,2-Dichloropropane	63	7.277	7.277	(1.103)	184855	10.0000	11
25 Dibromomethane	93	7.415	7.415	(1.124)	54936	10.0000	9
26 Bromodichloromethane	83	7.595	7.595	(1.151)	157533	10.0000	10
27 cis-1,3-Dichloropropene	75	8.125	8.125	(1.232)	188744	10.0000	10
28 Toluene	92	8.539	8.539	(1.294)	395229	10.0000	10
29 trans-1,3-Dichloropropene	75	8.804	8.804	(1.334)	123626	10.0000	10
30 1,1,2-Trichloroethane	83	9.037	9.037	(1.370)	61991	10.0000	9
31 Tetrachloroethane	166	9.239	9.239	(1.400)	189367	10.0000	9
32 1,3-Dichloropropane	76	9.250	9.250	(1.402)	124732	10.0000	9
33 Dibromochloromethane	129	9.547	9.547	(1.447)	86649	10.0000	8
34 1,2-Dibromoethane	107	9.695	9.695	(1.469)	65454	10.0000	8
35 Chlorobenzene	112	10.342	10.342	(1.568)	368751	10.0000	9
36 1,1,1,2-Tetrachloroethane	131	10.448	10.448	(1.584)	117735	10.0000	9
37 Ethylbenzene	91	10.480	10.480	(1.588)	720745	10.0000	10
38 m,p-Xylene	106	10.639	10.639	(1.613)	531561	20.0000	18
39 o-Xylene	106	11.138	11.138	(1.688)	248030	10.0000	9
40 Styrene	104	11.159	11.159	(1.691)	383504	10.0000	9
42 Bromoform	173	11.382	11.382	(1.725)	50874	10.0000	8
43 Isopropylbenzene	105	11.604	11.604	(1.759)	682427	10.0000	10
M 41 Xylene (Total)	106				779591	30.0000	28
\$ 44 Bromofluorobenzene	95	11.785	11.785	(1.786)	161255	10.0000	9
45 1,1,2,2-Tetrachloroethane	83	11.955	11.955	(0.907)	73350	10.0000	11
46 Bromobenzene	156	11.976	11.976	(0.909)	138133	10.0000	10
47 1,2,3-Trichloropropane	75	12.008	12.008	(0.911)	55745	10.0000	10
48 n-Propylbenzene	91	12.103	12.103	(0.919)	857760	10.0000	13
49 2-Chlorotoluene	91	12.209	12.209	(0.927)	463241	10.0000	12
50 1,3,5-Trimethylbenzene	105	12.315	12.315	(0.935)	545461	10.0000	12
51 4-Chlorotoluene	91	12.336	12.336	(0.936)	512312	10.0000	12
52 tert-Butylbenzene	119	12.708	12.708	(0.965)	465552	10.0000	12
53 1,2,4-Trimethylbenzene	105	12.761	12.761	(0.969)	534216	10.0000	12
54 sec-Butylbenzene	105	12.962	12.962	(0.984)	745053	10.0000	12
55 1,3-Dichlorobenzene	146	13.100	13.100	(0.994)	281666	10.0000	10
56 4-Isopropyltoluene	119	13.132	13.132	(0.997)	582519	10.0000	12
* 57 1,4-Dichlorobenzene-d4	152	13.174	13.174	(1.000)	90836	5.00000	
58 1,4-Dichlorobenzene	146	13.196	13.196	(1.002)	268924	10.0000	10
\$ 59 1,2-Dichlorobenzene-d4	152	13.609	13.609	(1.033)	146189	10.0000	10
60 n-Butylbenzene	91	13.609	13.609	(1.033)	616152	10.0000	13
61 1,2-Dichlorobenzene	146	13.631	13.631	(1.035)	222756	10.0000	10
62 1,2-Dibromo-3-chloropropane	75	14.500	14.500	(1.101)	8563	10.0000	11
63 1,2,4-Trichlorobenzene	180	15.413	15.413	(1.170)	170354	10.0000	10

Data File: V2D4811.D  
Report Date: 24-Oct-2000 18:38

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.593	15.593	(1.184)	131948	10.0000	11
65 Naphthalene	128	15.678	15.678	(1.190)	166185	10.0000	10
66 1,2,3-Trichlorobenzene	180	15.932	15.932	(1.209)	129016	10.0000	10

QC Flag Legend

H - Operator selected an alternate compound hit.

*Ag*  
*10/24/00*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4831.D

Date : 18-OCT-2000 09:40

Client ID: VSTD0102M

Sample Info: 524,V2S1018A,VSTD0102M

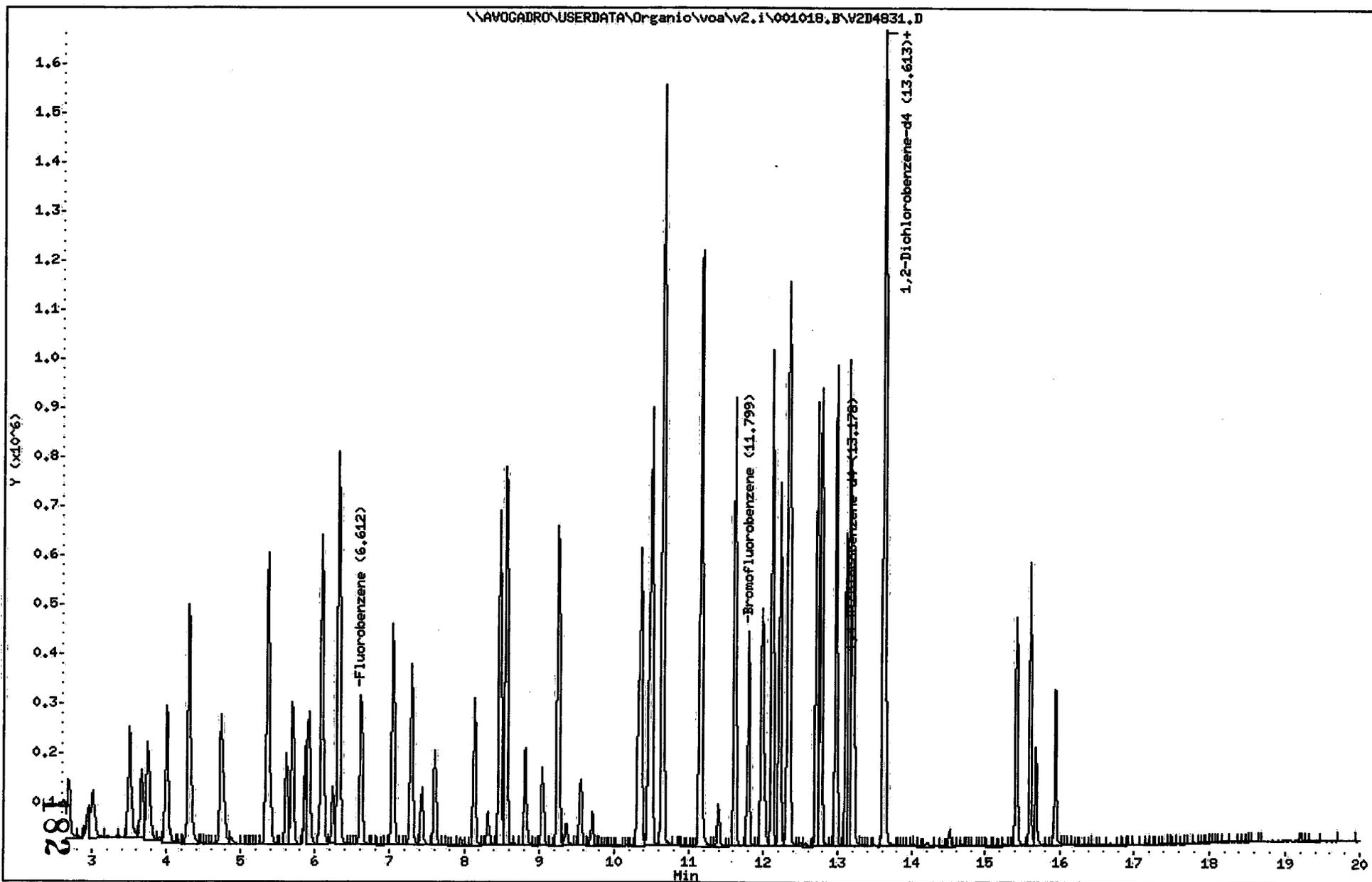
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4831.D  
 Lab Smp Id: V2S1018A Client Smp ID: VSTD0102M  
 Inj Date : 18-OCT-2000 09:40  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2S1018A,VSTD0102M  
 Misc Info : ,2  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.923	1.923	(0.291)	133100	10.0000	9
2 Chloromethane	50	2.093	2.093	(0.317)	359778	10.0000	8
3 Vinyl Chloride	62	2.241	2.241	(0.339)	284400	10.0000	9
4 Bromomethane	94	2.570	2.570	(0.389)	180004	10.0000	8
5 Chloroethane	64	2.676	2.676	(0.405)	167557	10.0000	9
6 Trichlorofluoromethane	101	3.016	3.016	(0.456)	121390	10.0000	9
7 1,1-Dichloroethene	96	3.504	3.504	(0.530)	119664	10.0000	9
8 Methylene Chloride	84	4.002	4.002	(0.605)	146237	10.0000	8
9 trans-1,2-Dichloroethene	96	4.299	4.299	(0.650)	179932	10.0000	10
10 Methyl tert-butyl ether	73	4.310	4.310	(0.652)	177146	10.0000	9
11 1,1-Dichloroethane	63	4.734	4.734	(0.716)	370127	10.0000	11
12 cis-1,2-Dichloroethene	96	5.360	5.360	(0.811)	171187	10.0000	10
13 2,2-Dichloropropane	77	5.371	5.371	(0.812)	240450	10.0000	12
M 14 1,2-Dichloroethene (Total)	96				351119	20.0000	20
15 Bromochloromethane	128	5.615	5.615	(0.849)	57302	10.0000	8
16 Chloroform	83	5.689	5.689	(0.860)	267276	10.0000	10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.912	5.912	(0.894)	217350	10.0000	11
18 1,1-Dichloropropene	75	6.081	6.081	(0.920)	248703	10.0000	12
19 Carbon Tetrachloride	117	6.103	6.103	(0.923)	178033	10.0000	10
20 Benzene	78	6.315	6.315	(0.955)	689182	10.0000	10
21 1,2-Dichloroethane	62	6.325	6.325	(0.957)	125409	10.0000	9
* 22 Fluorobenzene	96	6.612	6.612	(1.000)	318711	5.00000	
23 Trichloroethene	95	7.036	7.036	(1.064)	177902	10.0000	10
24 1,2-Dichloropropene	63	7.291	7.291	(1.103)	181078	10.0000	11
25 Dibromomethane	93	7.428	7.428	(1.124)	54086	10.0000	9
26 Bromodichloromethane	83	7.598	7.598	(1.149)	154223	10.0000	10
27 cis-1,3-Dichloropropene	75	8.139	8.139	(1.231)	191836	10.0000	10
28 Toluene	92	8.553	8.553	(1.294)	403218	10.0000	10
29 trans-1,3-Dichloropropene	75	8.818	8.818	(1.334)	120744	10.0000	10
30 1,1,2-Trichloroethane	83	9.041	9.041	(1.367)	58512	10.0000	9
31 Tetrachloroethene	166	9.253	9.253	(1.399)	203414	10.0000	10
32 1,3-Dichloropropane	76	9.264	9.264	(1.401)	119679	10.0000	9
33 Dibromochloromethane	129	9.561	9.561	(1.446)	86178	10.0000	9
34 1,2-Dibromoethane	107	9.709	9.709	(1.468)	66488	10.0000	8
35 Chlorobenzene	112	10.356	10.356	(1.566)	376676	10.0000	9
36 1,1,1,2-Tetrachloroethane	131	10.462	10.462	(1.582)	120680	10.0000	9
37 Ethylbenzene	91	10.494	10.494	(1.587)	736146	10.0000	10
38 m,p-Xylene	106	10.643	10.643	(1.610)	557320	20.0000	20
39 o-Xylene	106	11.152	11.152	(1.687)	256631	10.0000	10
40 Styrene	104	11.162	11.162	(1.688)	390087	10.0000	9
42 Bromoform	173	11.396	11.396	(1.724)	49332	10.0000	8
43 Isopropylbenzene	105	11.608	11.608	(1.756)	715716	10.0000	10
M 41 Xylene (Total)	106				813951	30.0000	29
\$ 44 Bromofluorobenzene	95	11.799	11.799	(1.785)	161907	10.0000	9
45 1,1,2,2-Tetrachloroethane	83	11.969	11.969	(0.908)	72744	10.0000	11
46 Bromobenzene	156	11.990	11.990	(0.910)	141659	10.0000	11
47 1,2,3-Trichloropropane	75	12.022	12.022	(0.912)	62484	10.0000	11
48 n-Propylbenzene	91	12.117	12.117	(0.920)	897504	10.0000	14
49 2-Chlorotoluene	91	12.223	12.223	(0.928)	476144	10.0000	12
50 1,3,5-Trimethylbenzene	105	12.329	12.329	(0.936)	562980	10.0000	12
51 4-Chlorotoluene	91	12.350	12.350	(0.937)	520392	10.0000	12
52 tert-Butylbenzene	119	12.722	12.722	(0.965)	486961	10.0000	13
53 1,2,4-Trimethylbenzene	105	12.775	12.775	(0.969)	551795	10.0000	12
54 sec-Butylbenzene	105	12.976	12.976	(0.985)	783049	10.0000	13
55 1,3-Dichlorobenzene	146	13.104	13.104	(0.994)	288945	10.0000	10
56 4-Isopropyltoluene	119	13.146	13.146	(0.998)	621280	10.0000	12
* 57 1,4-Dichlorobenzene-d4	152	13.178	13.178	(1.000)	90477	5.00000	
58 1,4-Dichlorobenzene	146	13.210	13.210	(1.002)	278828	10.0000	10
\$ 59 1,2-Dichlorobenzene-d4	152	13.613	13.613	(1.033)	155803	10.0000	11
60 n-Butylbenzene	91	13.613	13.613	(1.033)	645182	10.0000	14
61 1,2-Dichlorobenzene	146	13.634	13.634	(1.035)	222633	10.0000	10
62 1,2-Dibromo-3-chloropropane	75	14.504	14.504	(1.101)	8506	10.0000	11
63 1,2,4-Trichlorobenzene	180	15.416	15.416	(1.170)	174260	10.0000	10

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.607	15.607	(1.184)	144840	10.0000	12
65 Naphthalene	128	15.681	15.681	(1.190)	166599	10.0000	10
66 1,2,3-Trichlorobenzene	180	15.946	15.946	(1.210)	129726	10.0000	10

A9  
10/24/00

Date: 16-OCT-2000 14:34

Client ID:

Instrument: v2.i

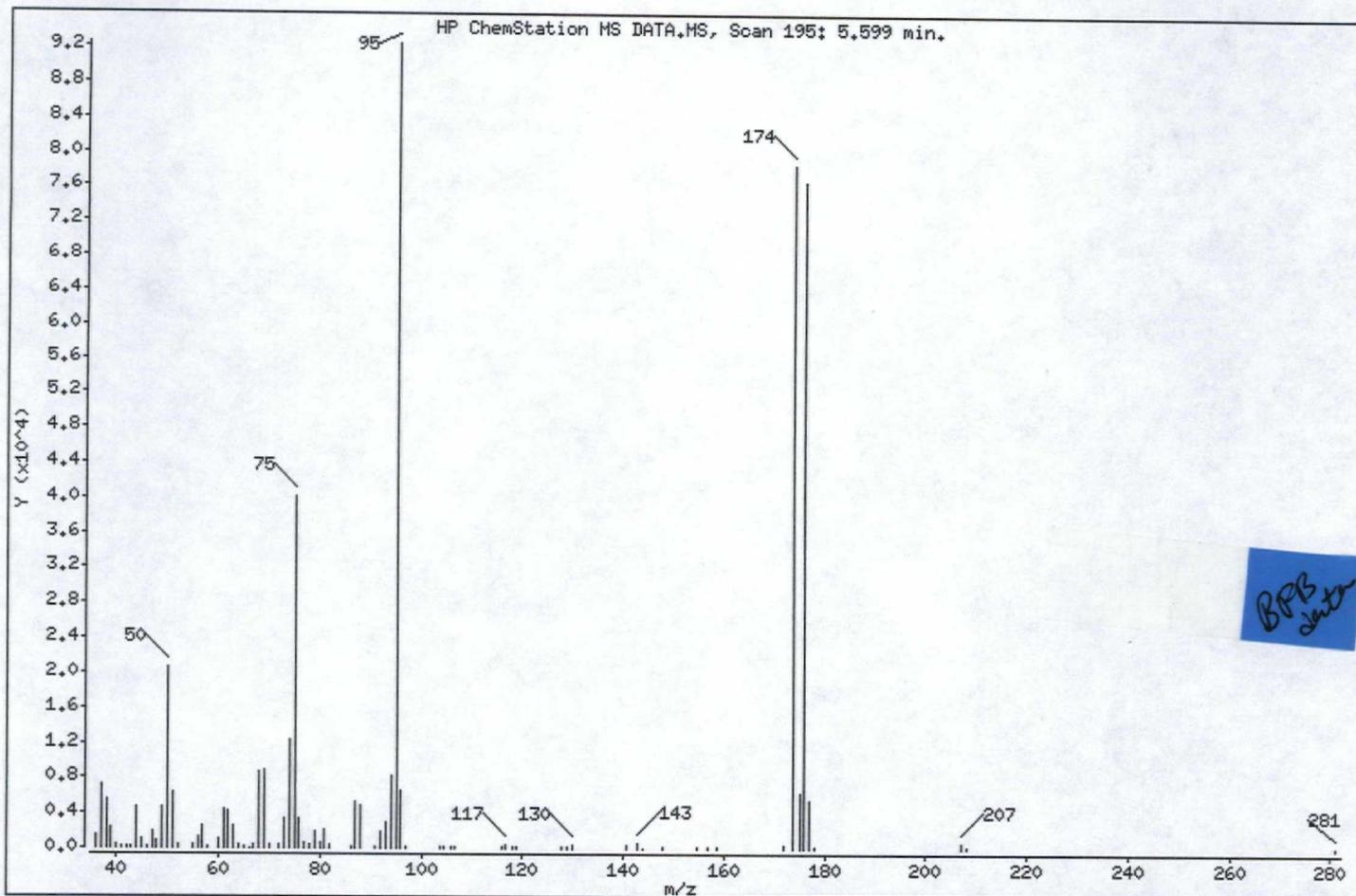
Sample Info: 524,V2T1016B,BFB2J

Operator: JT

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.21
75	30.00 - 80.00% of mass 95	43.39
96	5.00 - 9.00% of mass 95	7.05
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 100.00% of mass 95	84.94
175	5.00 - 9.00% of mass 174	6.80 ( 8.00)
176	95.00 - 101.00% of mass 174	83.03 ( 97.75)
177	5.00 - 9.00% of mass 176	6.01 ( 7.24)

Date : 16-OCT-2000 14:34

Client ID:

Instrument: v2.i

Sample Info: 524,V2T1016B,BFB2J

Operator: JT

Column phase: DB-624

Column diameter: 0.25

Data File: V2D4780.D  
 Spectrum: HP ChemStation MS DATA.MS, Scan 195: 5.599 min.  
 Location of Maximum: 95.00  
 Number of points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	1479	60.00	1049	81.90	359	129.80	339
37.00	7142	60.95	4486	86.05	124	140.70	443
37.95	5604	61.95	4229	86.95	5218	142.90	571
38.95	2301	63.05	2599	88.00	4794	143.95	105
40.05	467	64.00	493	90.95	286	148.00	219
41.10	119	64.90	306	91.95	1837	154.65	183
41.90	141	66.10	101	93.05	3036	156.85	194
42.70	157	66.85	351	94.00	8312	158.80	110
43.95	4596	67.95	8634	95.00	92456	171.90	466
44.85	1123	68.95	9015	96.00	6519	173.85	78536
45.85	229	69.90	447	96.95	218	174.95	6286
47.00	1942	72.00	347	103.85	263	175.90	76768
47.80	899	72.95	3324	104.65	110	176.90	5561
49.00	4695	73.95	12267	105.90	219	178.00	131
49.95	20536	74.95	40120	106.60	172	207.00	532
50.95	6381	75.90	3486	115.85	217	207.95	153
52.05	319	77.00	689	116.80	421	281.00	147
55.00	451	77.90	475	118.00	227		
55.95	1346	78.85	1838	118.80	272		
56.95	2549	79.95	659	127.95	268		
57.85	140	80.95	2077	128.90	129		

Date : 16-OCT-2000 14:34

Client ID:

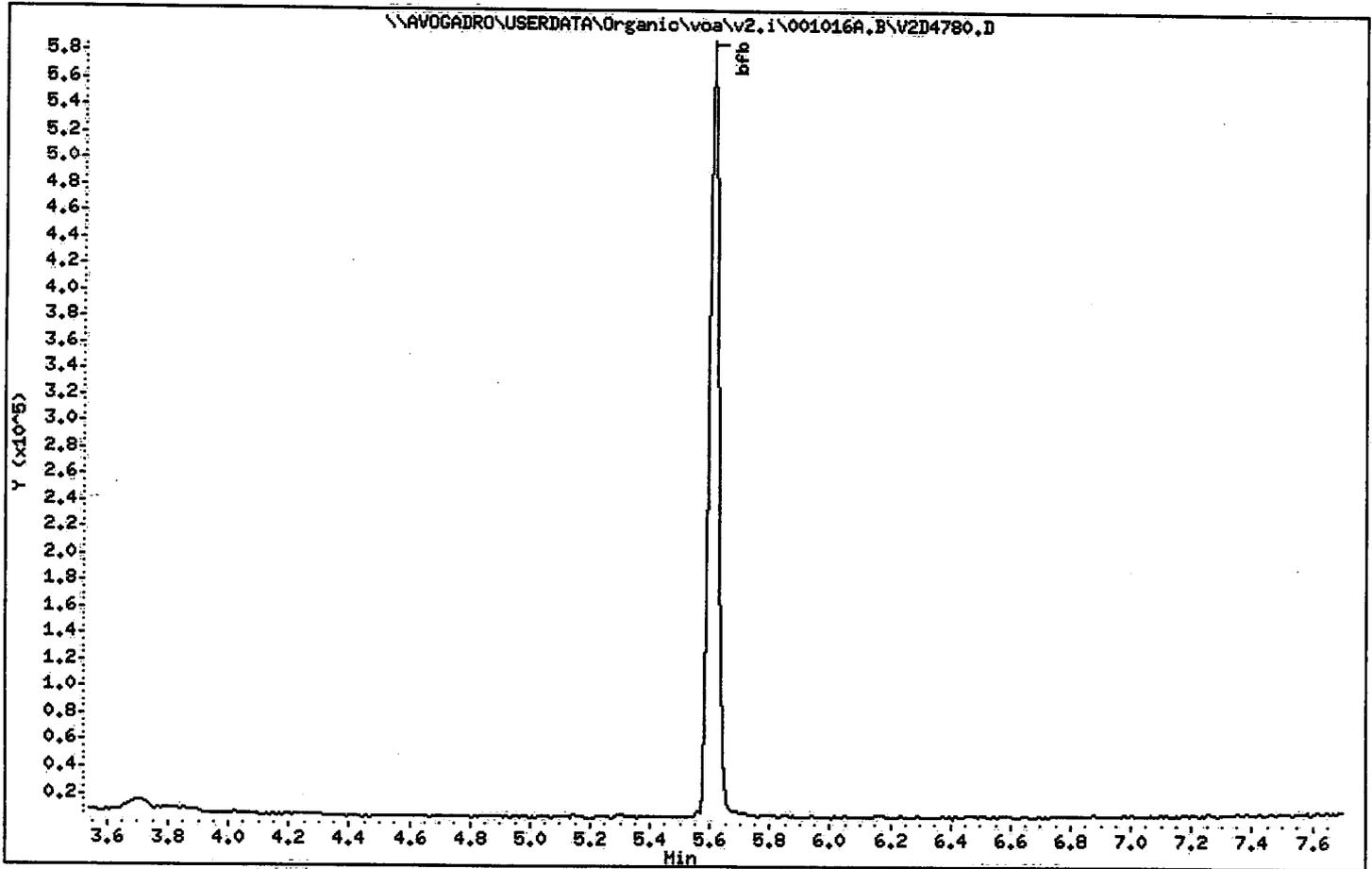
Instrument: v2.1

Sample Info: 524,V2T1016B,BFB2J

Operator: JT

Column phase: DB-624

Column diameter: 0.25



Date : 17-OCT-2000 08:45

Client ID: BFB2K

Instrument: v2.i

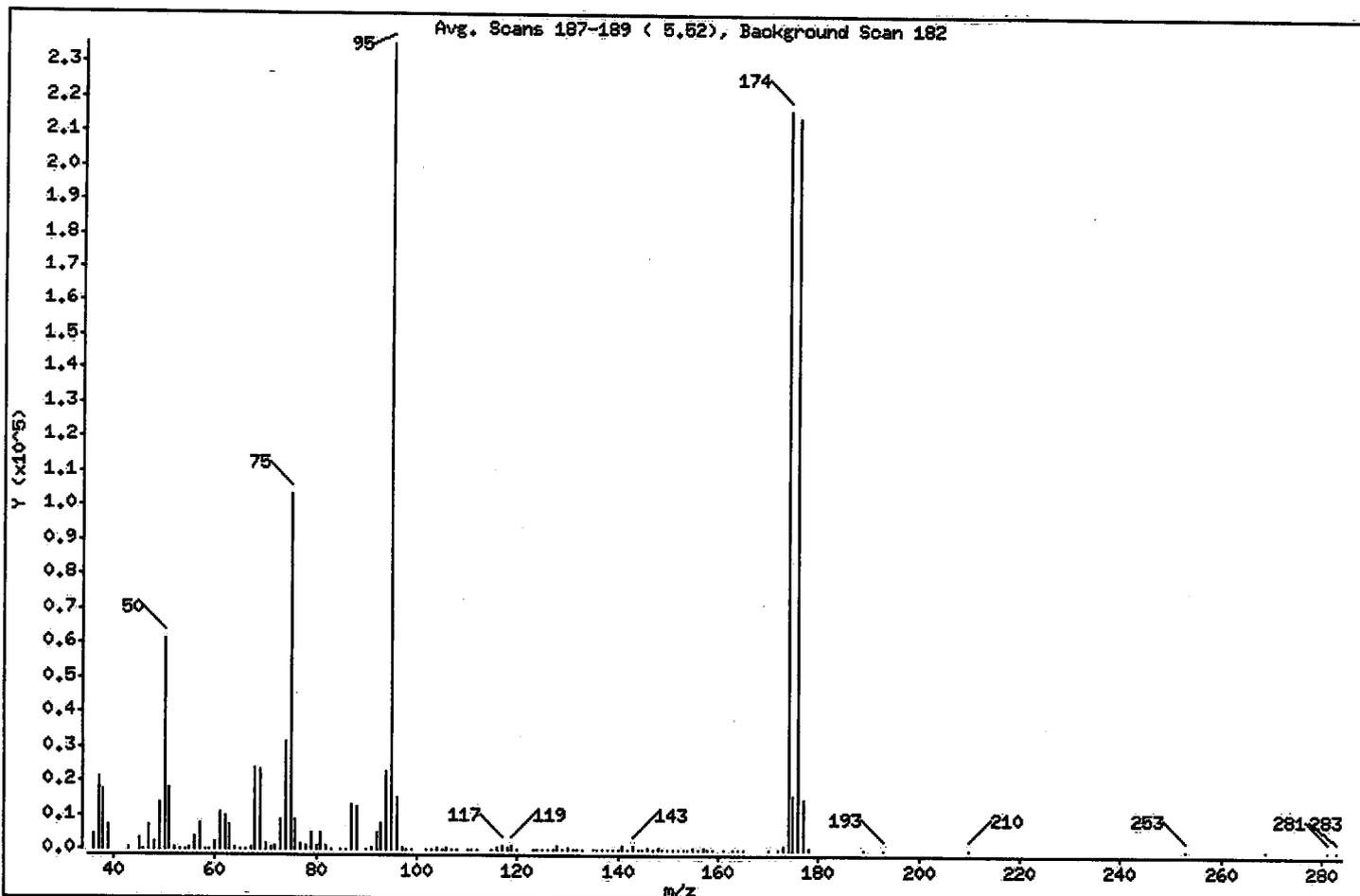
Sample Info: 524,V2T1017A,BFB2K

Operator: JT

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.06
75	30.00 - 80.00% of mass 95	43.94
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.45 ( 0.49)
174	50.00 - 100.00% of mass 95	91.91
175	5.00 - 9.00% of mass 174	6.70 ( 7.29)
176	95.00 - 101.00% of mass 174	91.13 ( 99.15)
177	5.00 - 9.00% of mass 176	6.26 ( 6.86)

Date : 17-OCT-2000 08:45

Client ID: BFB2K

Instrument: v2.i

Sample Info: 524,V2T1017A,BFB2K

Operator: JT

Column phase: DB-624

Column diameter: 0.25

Data File: V2D4790.D

Spectrum: Avg. Scans 187-189 ( 5.52), Background Scan 182

Location of Maximum: 95.00

Number of points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4188	73.00	8545	111.00	83	149.00	101
37.00	21352	74.00	31232	112.00	80	150.00	193
38.00	17424	75.00	103498	115.00	139	151.00	74
39.00	7037	76.00	8618	116.00	648	152.00	144
43.00	461	77.00	1776	117.00	886	153.00	200
45.00	3091	78.00	1014	118.00	628	154.00	123
46.00	237	79.00	4921	119.00	984	155.00	573
47.00	7154	80.00	1265	120.00	10	156.00	86
48.00	2017	81.00	5050	123.00	46	157.00	448
49.00	13387	82.00	869	124.00	68	158.00	75
50.00	61384	83.00	249	125.00	76	159.00	262
51.00	17808	85.00	72	126.00	39	161.00	269
52.00	675	86.00	229	127.00	108	163.00	37
53.00	42	87.00	13041	128.00	852	164.00	37
54.00	98	88.00	12457	129.00	201	165.00	86
55.00	742	90.00	55	130.00	570	170.00	44
56.00	3891	91.00	481	131.00	190	172.00	87
57.00	7341	92.00	4749	132.00	35	173.00	1071
58.00	155	93.00	7343	133.00	86	174.00	216448
59.00	66	94.00	22880	135.00	204	175.00	15786
60.00	2333	95.00	238520	136.00	87	176.00	214592
61.00	10746	96.00	15295	137.00	211	177.00	14732
62.00	9790	97.00	527	138.00	82	178.00	308
63.00	6992	98.00	92	139.00	47	189.00	42
64.00	512	99.00	34	140.00	226	193.00	104
65.00	49	102.00	48	141.00	1121	210.00	34
66.00	57	103.00	59	142.00	181	253.00	101
67.00	538	104.00	571	143.00	1261	269.00	88
68.00	23784	105.00	71	144.00	110	281.00	90
69.00	23096	106.00	718	145.00	139	283.00	95
70.00	1634	107.00	77	146.00	347		
71.00	635	108.00	78	147.00	61		
72.00	1244	110.00	105	148.00	513		

Date : 17-OCT-2000 08:45

Client ID: BFB2K

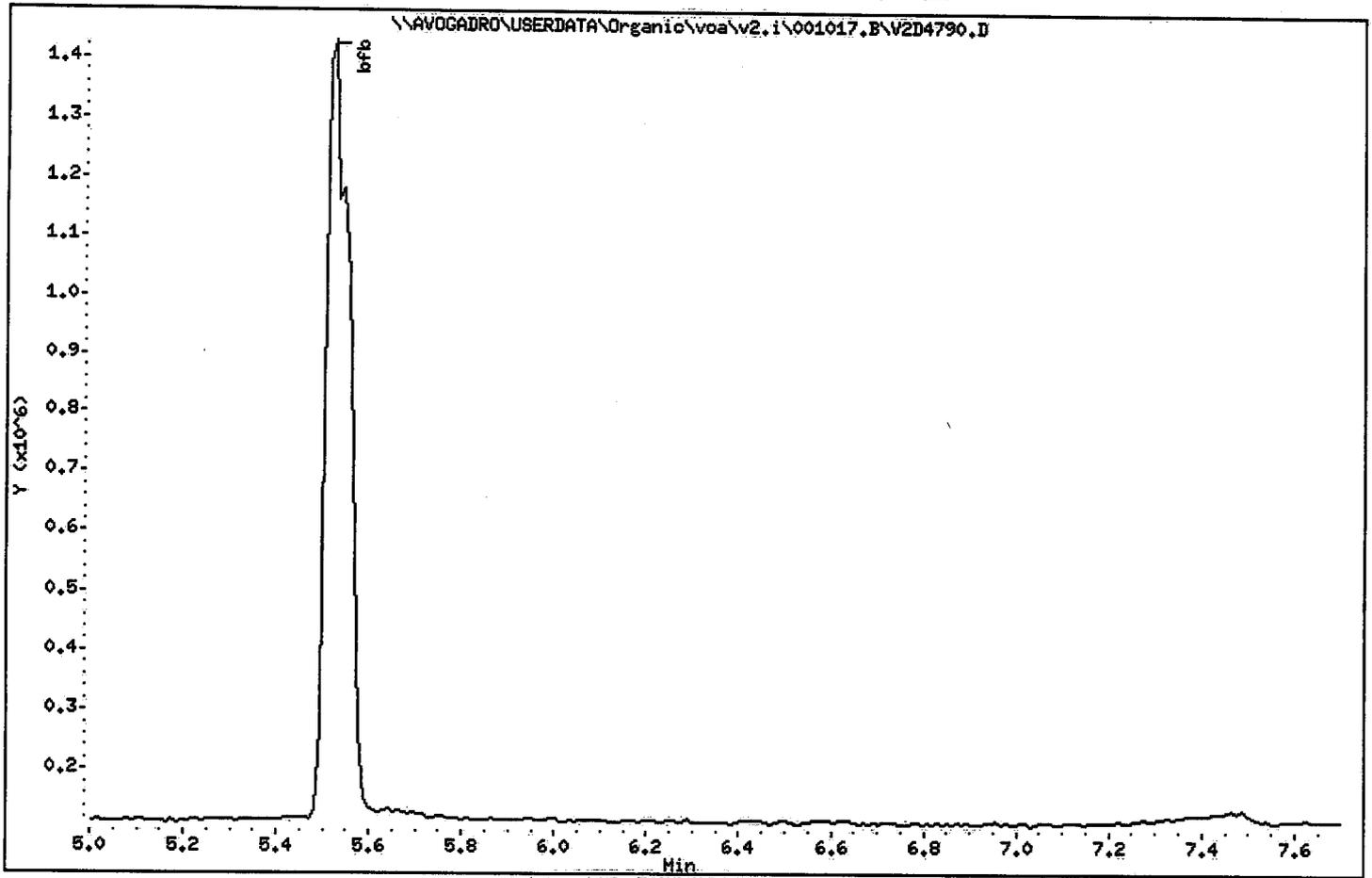
Instrument: v2.i

Sample Info: 524,V2T1017A,BFB2K

Operator: JT

Column phase: DB-624

Column diameter: 0.25



Date : 17-OCT-2000 21:05

Client ID: BFB2L

Instrument: v2.1

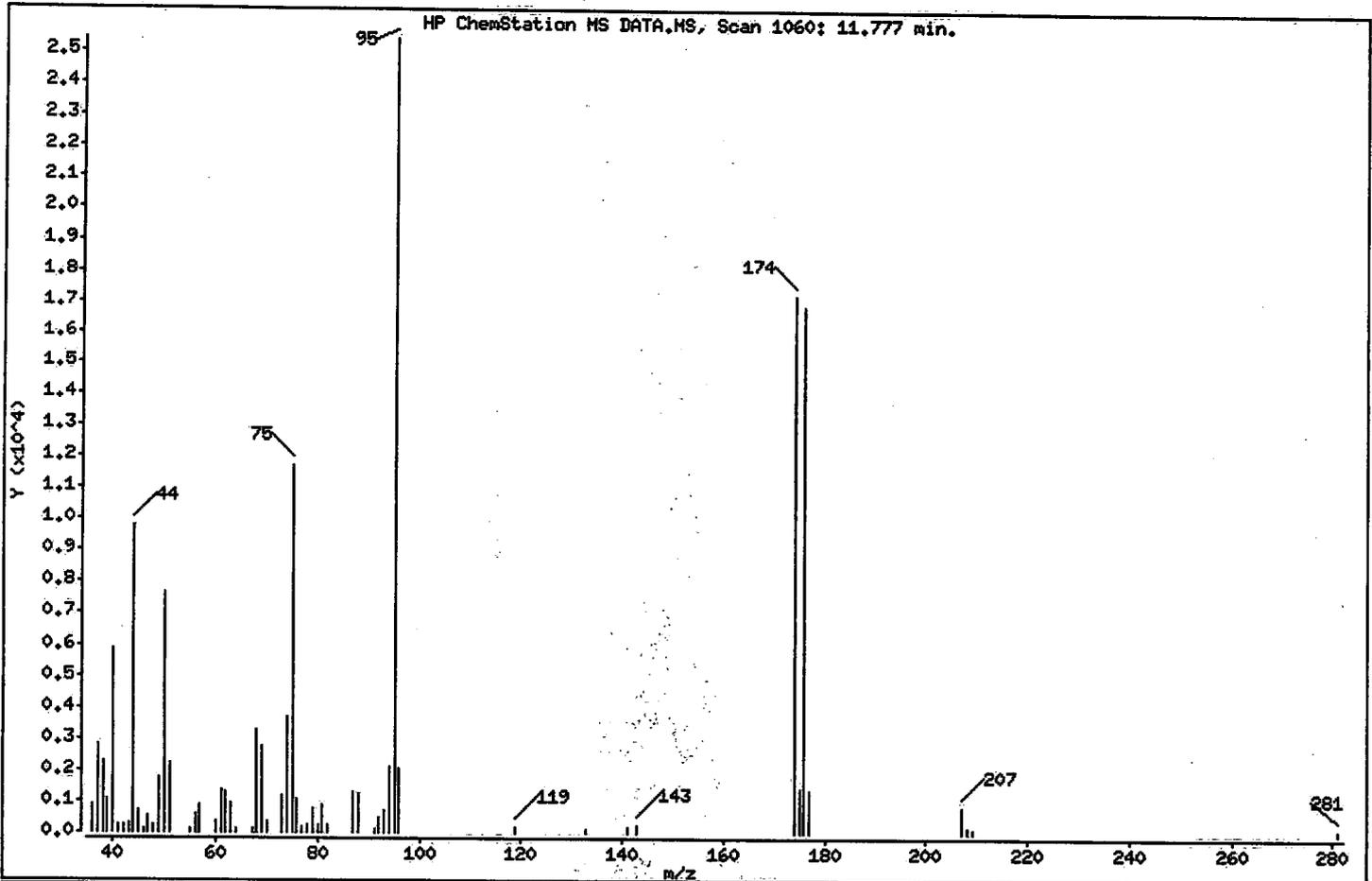
Sample Info: 524,V2T1017B,BFB2L

Operator: JT

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	30.10
75	30.00 - 80.00% of mass 95	46.12
96	5.00 - 9.00% of mass 95	8.07
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 100.00% of mass 95	67.77
175	5.00 - 9.00% of mass 174	5.56 ( 8.20)
176	95.00 - 101.00% of mass 174	66.38 ( 97.96)
177	5.00 - 9.00% of mass 176	5.28 ( 7.96)

Date : 17-OCT-2000 21:05

Client ID: BFB2L

Instrument: v2.i

Sample Info: 524,V2T1017B,BFB2L

Operator: JT

Column phase: DB-624

Column diameter: 0.25

Data File: V2D4809.D

Spectrum: HP ChemStation MS DATA.MS, Scan 1060: 11.777 min.

Location of Maximum: 95.00

Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	885	50.95	2207	75.05	11722	96.00	2050
37.00	2790	55.00	138	75.90	1035	119.00	151
37.95	2276	55.95	579	77.00	198	132.75	109
38.95	1039	56.95	899	77.90	249	140.90	161
39.95	5828	59.90	331	78.85	747	142.95	221
41.00	218	60.95	1332	79.95	259	173.95	17224
42.10	245	61.95	1297	80.95	899	174.95	1412
43.00	322	63.05	917	81.90	209	175.90	16872
43.95	9780	63.90	130	86.95	1311	176.90	1343
44.95	732	67.05	140	87.90	1250	207.00	793
46.05	124	67.95	3279	91.05	109	208.05	184
46.90	516	68.95	2733	91.95	476	209.05	122
47.90	261	70.00	324	93.05	726	281.00	127
49.00	1751	72.95	1193	94.00	2119		
49.95	7650	73.95	3690	95.00	25416		

Date : 17-OCT-2000 21:05

Client ID: BFB2L

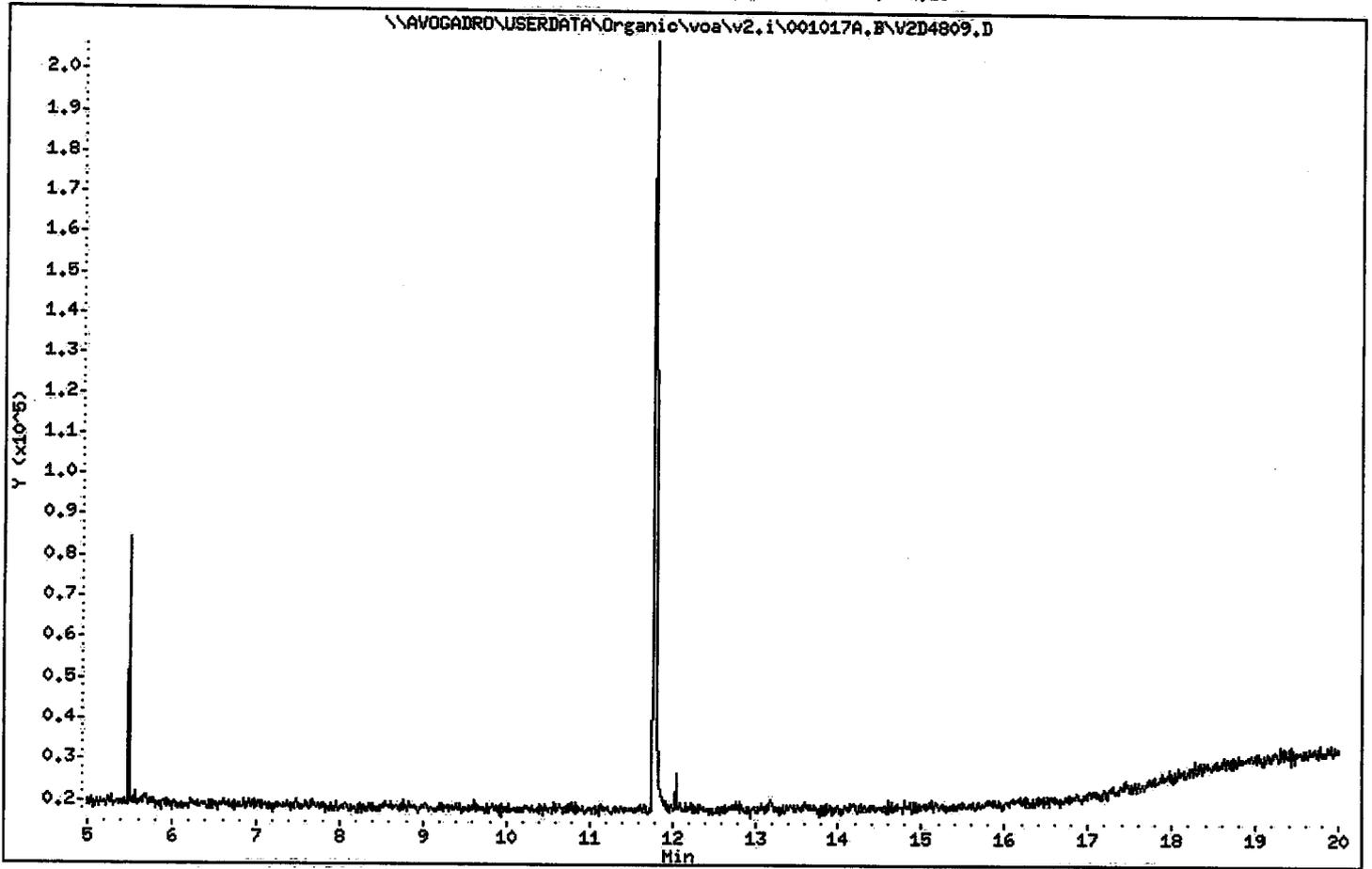
Instrument: v2.i

Sample Info: 524,V2T1017B,BFB2L

Operator: JT

Column phase: DB-624

Column diameter: 0.25



Date : 18-OCT-2000 09:23

Client ID: BFB2M

Instrument: v2.i

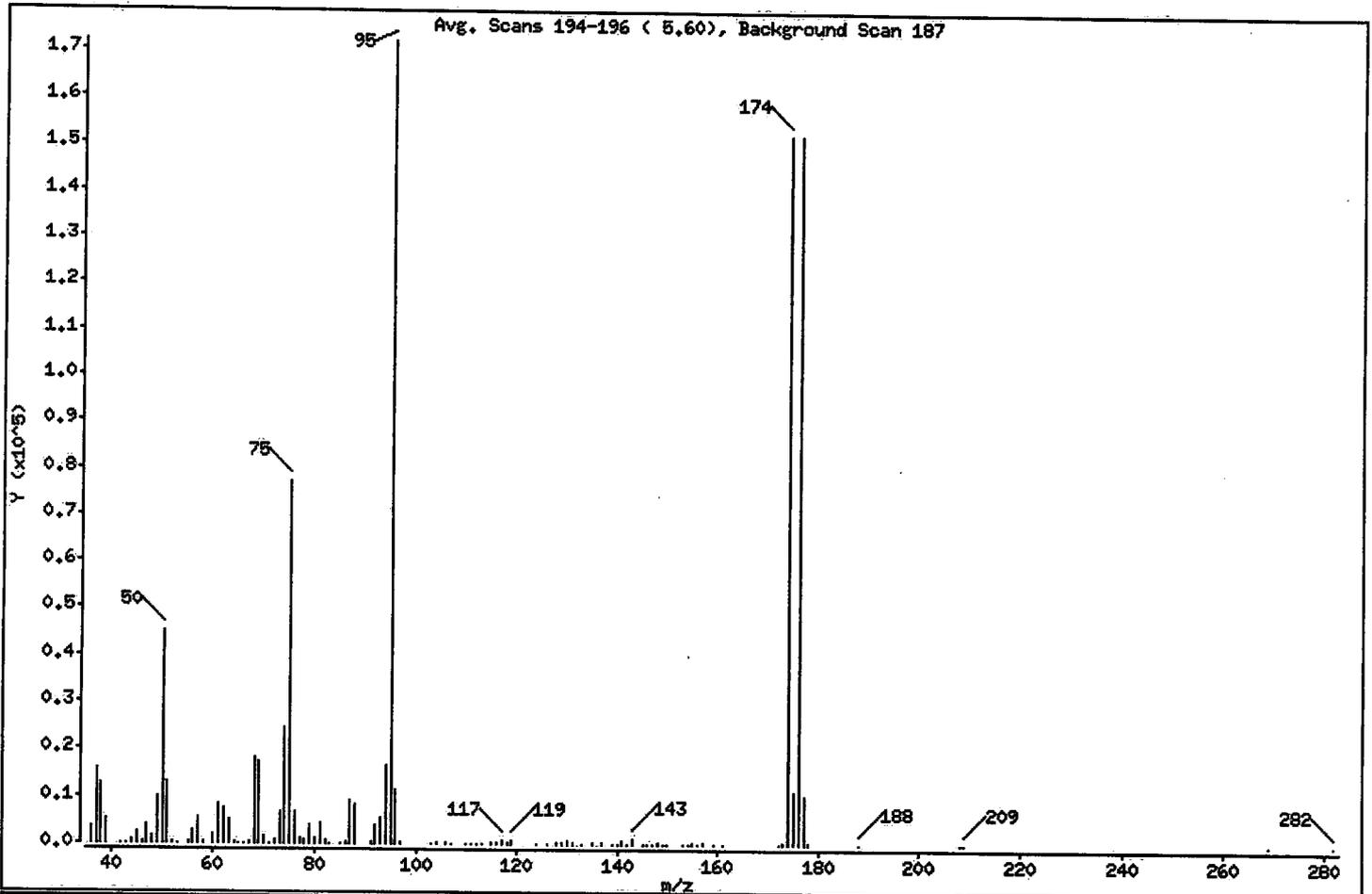
Sample Info: 524,V2T1018A,BFB2M

Operator: JT

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.25
75	30.00 - 80.00% of mass 95	44.88
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.24 ( 0.27)
174	50.00 - 100.00% of mass 95	88.61
175	5.00 - 9.00% of mass 174	6.49 ( 7.32)
176	95.00 - 101.00% of mass 174	88.44 ( 99.81)
177	5.00 - 9.00% of mass 176	6.01 ( 6.79)

Date : 18-OCT-2000 09:23

Client ID: BFB2M

Instrument: v2.1

Sample Info: 524,V2T1018A,BFB2M

Operator: JT

Column phase: DB-624

Column diameter: 0.25

Data File: V2D4830.D

Spectrum: Avg. Scans 194-196 ( 5.60), Background Scan 187

Location of Maximum: 95.00

Number of points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3428	67.00	362	97.00	354	143.00	1148
37.00	15641	68.00	18200	103.00	33	145.00	36
38.00	12813	69.00	17464	104.00	499	146.00	170
39.00	5320	70.00	1412	106.00	500	147.00	126
42.00	54	71.00	124	107.00	156	148.00	376
43.00	152	72.00	891	110.00	54	149.00	86
44.00	704	73.00	6625	111.00	90	150.00	153
45.00	2199	74.00	24320	112.00	46	153.00	90
46.00	253	75.00	77168	113.00	80	154.00	58
47.00	4059	76.00	6749	115.00	212	155.00	352
48.00	1648	77.00	1096	116.00	410	156.00	44
49.00	9696	78.00	702	117.00	797	157.00	293
50.00	45144	79.00	4109	118.00	453	159.00	127
51.00	13078	80.00	1007	119.00	640	161.00	101
52.00	509	81.00	4191	124.00	43	172.00	116
53.00	45	82.00	761	126.00	83	173.00	417
55.00	395	83.00	191	128.00	472	174.00	152320
56.00	2794	85.00	37	129.00	277	175.00	11157
57.00	5433	86.00	272	130.00	610	176.00	152064
58.00	298	87.00	9071	131.00	202	177.00	10329
60.00	1828	88.00	8291	133.00	118	178.00	302
61.00	8440	91.00	563	135.00	231	188.00	33
62.00	7654	92.00	3836	137.00	219	208.00	31
63.00	5206	93.00	5596	139.00	73	209.00	35
64.00	416	94.00	16776	140.00	73	269.00	39
65.00	182	95.00	171904	141.00	956	282.00	42
66.00	94	96.00	11494	142.00	150		

Date : 18-OCT-2000 09:23

Client ID: BFB2H

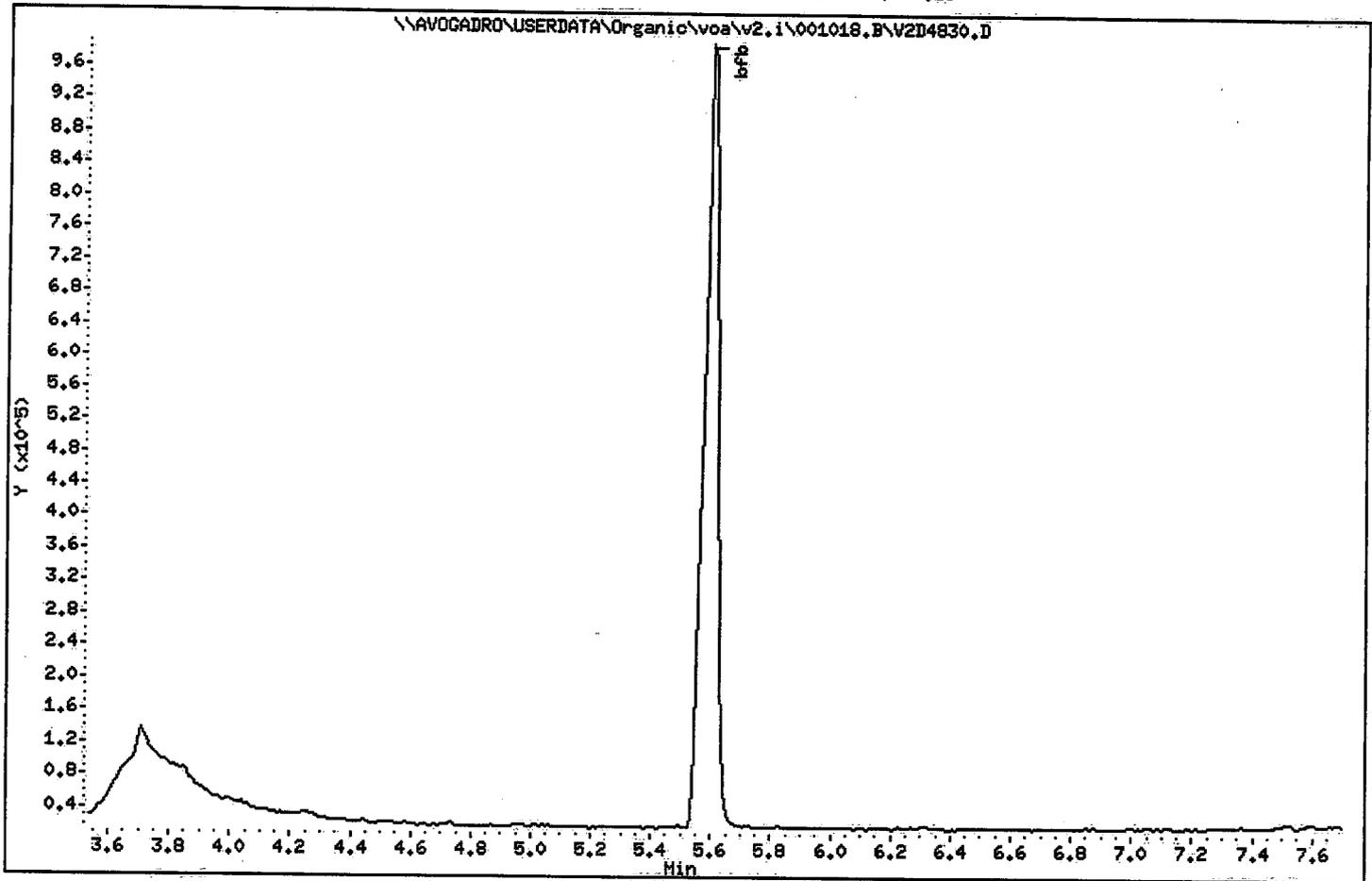
Instrument: v2.i

Sample Info: 524,V2T1018A,BFB2H

Operator: JT

Column phase: DB-624

Column diameter: 0.25



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4793

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

VBLK2K

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017A

Sample wt/vol: 25.00 (g/mL) mL

Lab File ID: V2D4793

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2K

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4793

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001017.B\2D4793.D

Date : 17-OCT-2000 12:26

Client ID: VBLK2K

Sample Info: 524,V2B1017A,VBLK2K,V2B1017A

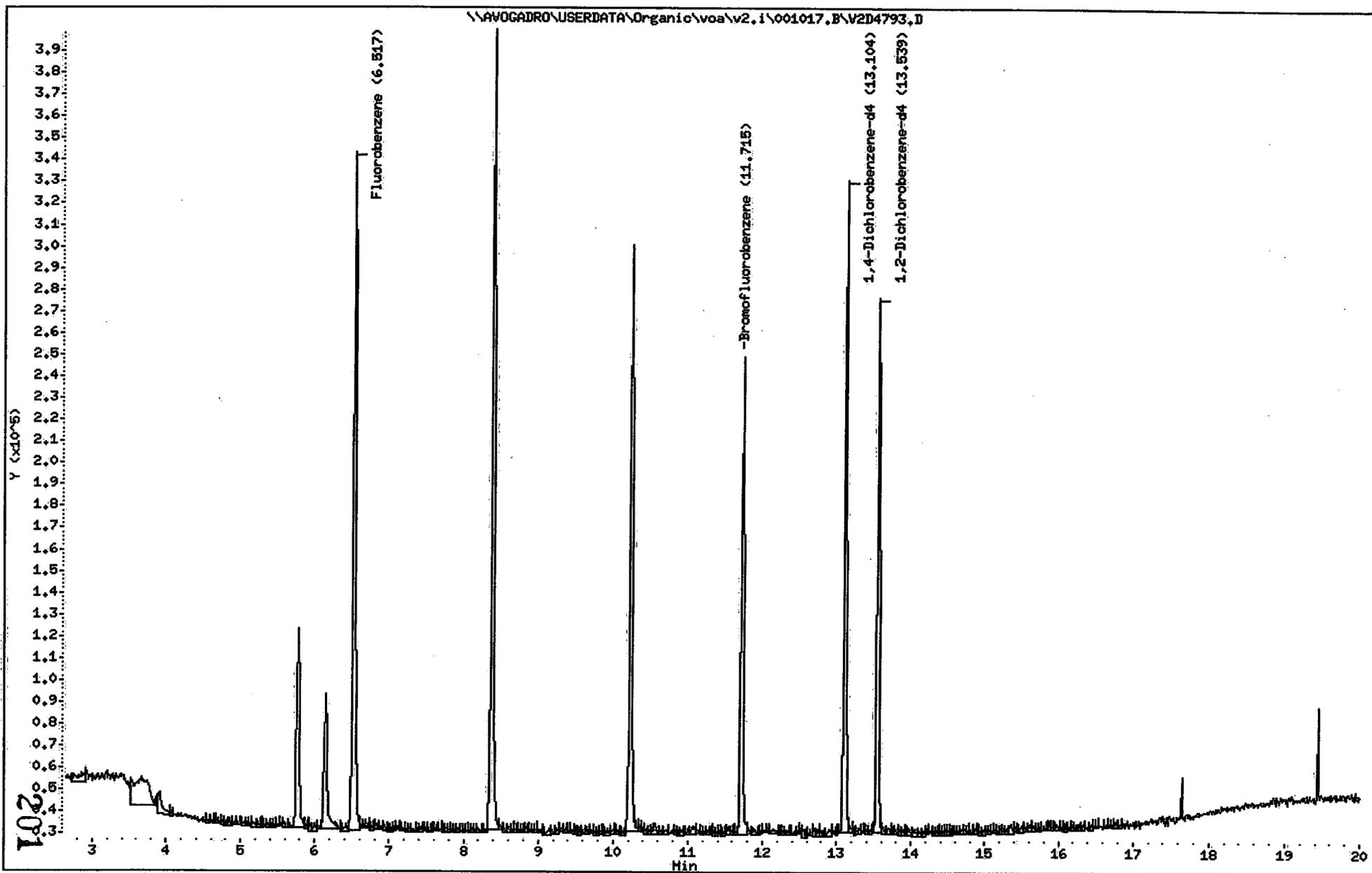
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4793.D  
 Lab Smp Id: V2B1017A Client Smp ID: VBLK2K  
 Inj Date : 17-OCT-2000 12:26  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2B1017A,VBLK2K,V2B1017A  
 Misc Info : ,3,,BLANK  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
 Meth Date : 24-Oct-2000 18:57 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 3 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.517	6.516	(1.000)	317085	5.00000	
\$ 44 Bromofluorobenzene	95	11.715	11.714	(1.798)	88877	5.09261	5
* 57 1,4-Dichlorobenzene-d4	152	13.104	13.104	(1.000)	90727	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.539	13.539	(1.033)	74521	5.08368	5

*Handwritten signature*  
 10/24/00

K

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4793.D  
Report Date: 25-Oct-2000 16:51

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\V2D4793.D  
Lab Smp Id: V2B1017A Client Smp ID: VBLK2K  
Inj Date : 17-OCT-2000 12:26  
Operator : JT Inst ID: v2.i  
Smp Info : 524,V2B1017A,VBLK2K,V2B1017A  
Misc Info : ,3,,BLANK  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017.B\v2524.m  
Meth Date : 25-Oct-2000 14:01 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 3 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017B

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4812

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
590-20-7	2,2-Dichloropropane	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
56-23-5	Carbon Tetrachloride	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
71-43-2	Benzene	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U

VBLK2L

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017B

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4812

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	0.5	U
136777-61-2	m,p-Xylene	0.5	U
95-47-6	o-Xylene	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U
98-82-8	Isopropylbenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1	Bromobenzene	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
103-65-1	n-Propylbenzene	0.5	U
95-49-8	2-Chlorotoluene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
95-50-1	1,2-Dichlorobenzene	0.5	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2L

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1017B

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4812

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4812.D

Date : 17-OCT-2000 22:44

Client ID: VBLK2L

Sample Info: 524,V2B1017B,VBLK2L,V2B1017B

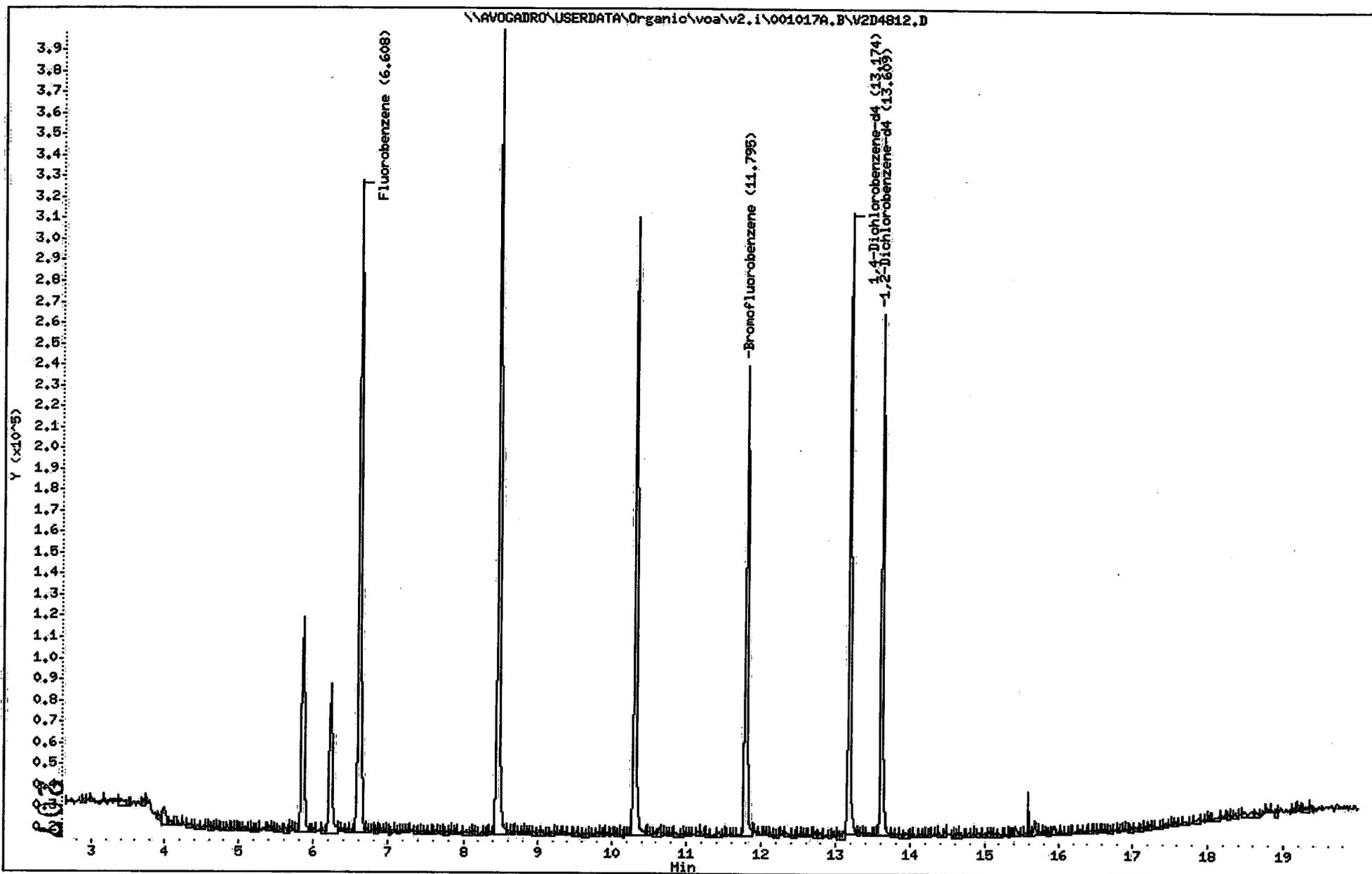
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Data File: V2D4812.D  
 Report Date: 24-Oct-2000 20:16

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4812.D  
 Lab Smp Id: V2B1017B Client Smp ID: VBLK2L  
 Inj Date : 17-OCT-2000 22:44  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2B1017B,VBLK2L,V2B1017B  
 Misc Info : ,3,,BLANK  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
 Meth Date : 24-Oct-2000 18:25 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 22 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.608	6.598	(1.000)	329094	5.00000	
\$ 44 Bromofluorobenzene	95	11.795	11.785	(1.785)	89235	4.92654	5
* 57 1,4-Dichlorobenzene-d4	152	13.174	13.174	(1.000)	93641	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.609	13.609	(1.033)	77384	5.11471	5

*Handwritten signature*  
 10/24/00  
 ✓

Data File: V2D4812.D  
Report Date: 24-Oct-2000 20:16

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\V2D4812.D  
Lab Smp Id: V2B1017B Client Smp ID: VBLK2L  
Inj Date : 17-OCT-2000 22:44  
Operator : JT Inst ID: v2.i  
Smp Info : 524,V2B1017B,VBLK2L,V2B1017B  
Misc Info : ,3,,BLANK  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001017A.B\v2524.m  
Meth Date : 24-Oct-2000 18:25 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 22 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4832

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.                      COMPOUND                      CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L                      Q

75-71-8-----	Dichlorodifluoromethane	0.5	U
74-87-3-----	Chloromethane	0.5	U
75-01-4-----	Vinyl Chloride	0.5	U
74-83-9-----	Bromomethane	0.5	U
75-00-3-----	Chloroethane	0.5	U
75-69-4-----	Trichlorofluoromethane	0.5	U
75-35-4-----	1,1-Dichloroethene	0.5	U
75-09-2-----	Methylene Chloride	0.5	U
156-60-5-----	trans-1,2-Dichloroethene	0.5	U
1634-04-4-----	Methyl tert-butyl ether	0.5	U
75-34-3-----	1,1-Dichloroethane	0.5	U
156-59-2-----	cis-1,2-Dichloroethene	0.5	U
590-20-7-----	2,2-Dichloropropane	0.5	U
107-06-2-----	1,2-Dichloroethane	0.5	U
74-97-5-----	Bromochloromethane	0.5	U
67-66-3-----	Chloroform	0.5	U
56-23-5-----	Carbon Tetrachloride	0.5	U
71-55-6-----	1,1,1-Trichloroethane	0.5	U
563-58-6-----	1,1-Dichloropropene	0.5	U
79-01-6-----	Trichloroethene	0.5	U
78-87-5-----	1,2-Dichloropropane	0.5	U
71-43-2-----	Benzene	0.5	U
74-95-3-----	Dibromomethane	0.5	U
75-27-4-----	Bromodichloromethane	0.5	U
10061-01-5-----	cis-1,3-Dichloropropene	0.5	U
108-88-3-----	Toluene	0.5	U
10061-02-6-----	trans-1,3-Dichloropropene	0.5	U
79-00-5-----	1,1,2-Trichloroethane	0.5	U
127-18-4-----	Tetrachloroethene	0.5	U
142-28-9-----	1,3-Dichloropropane	0.5	U
124-48-1-----	Dibromochloromethane	0.5	U
106-93-4-----	1,2-Dibromoethane	0.5	U
108-90-7-----	Chlorobenzene	0.5	U
630-20-6-----	1,1,1,2-Tetrachloroethane	0.5	U

VBLK2M

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4832

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4-----	Ethylbenzene	0.5	U
136777-61-2-----	m,p-Xylene	0.5	U
95-47-6-----	o-Xylene	0.5	U
100-42-5-----	Styrene	0.5	U
75-25-2-----	Bromoform	0.5	U
98-82-8-----	Isopropylbenzene	0.5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	0.5	U
108-86-1-----	Bromobenzene	0.5	U
96-18-4-----	1,2,3-Trichloropropane	0.5	U
103-65-1-----	n-Propylbenzene	0.5	U
95-49-8-----	2-Chlorotoluene	0.5	U
108-67-8-----	1,3,5-Trimethylbenzene	0.5	U
106-43-4-----	4-Chlorotoluene	0.5	U
98-06-6-----	tert-Butylbenzene	0.5	U
95-63-6-----	1,2,4-Trimethylbenzene	0.5	U
135-98-8-----	sec-Butylbenzene	0.5	U
541-73-1-----	1,3-Dichlorobenzene	0.5	U
99-87-6-----	4-Isopropyltoluene	0.5	U
106-46-7-----	1,4-Dichlorobenzene	0.5	U
104-51-8-----	n-Butylbenzene	0.5	U
95-50-1-----	1,2-Dichlorobenzene	0.5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	0.5	U
120-82-1-----	1,2,4-Trichlorobenzene	0.5	U
87-68-3-----	Hexachlorobutadiene	0.5	U
91-20-3-----	Naphthalene	0.5	U
87-61-6-----	1,2,3-Trichlorobenzene	0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2B1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4832

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\2D4832.D

Date : 18-OCT-2000 10:26

Client ID: VBLK2M

Sample Info: 524,V2B1018A,VBLK2M,V2B1018A

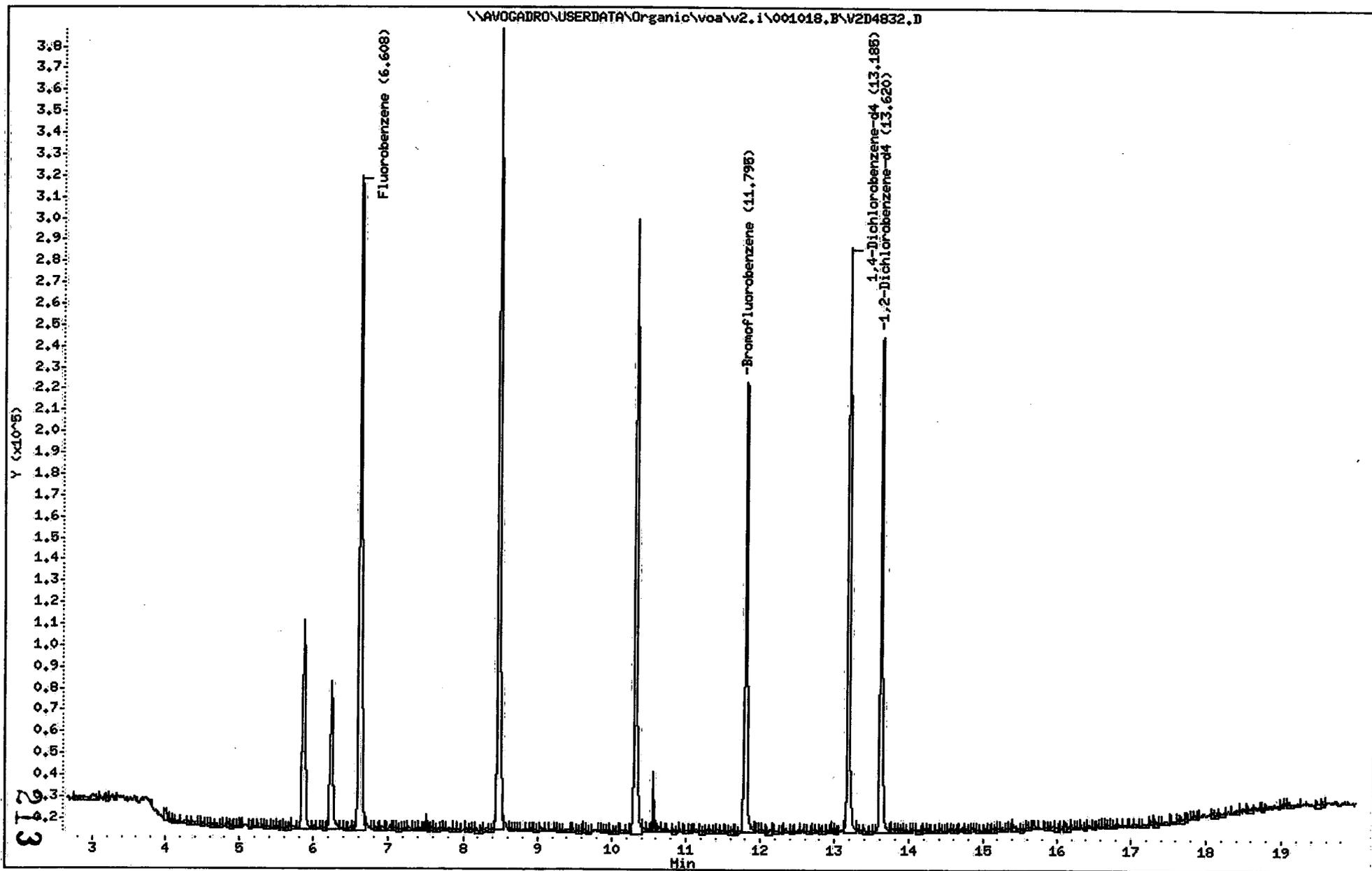
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4832.D  
 Lab Smp Id: V2B1018A Client Smp ID: VBLK2M  
 Inj Date : 18-OCT-2000 10:26  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2B1018A,VBLK2M,V2B1018A  
 Misc Info : ,3,,BLANK  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 2 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
* 22 Fluorobenzene	96	6.619	6.612	(1.000)	334296	5.00000	
\$ 44 Bromofluorobenzene	95	11.795	11.799	(1.782)	85973	4.67259	5
* 57 1,4-Dichlorobenzene-d4	152	13.185	13.178	(1.000)	96707	5.00000	
\$ 59 1,2-Dichlorobenzene-d4	152	13.620	13.613	(1.033)	79161	5.06628	5

*Ag*  
 10/24/00 *h*

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4832.D  
Report Date: 25-Oct-2000 16:32

Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4832.D  
Lab Smp Id: V2B1018A Client Smp ID: VBLK2M  
Inj Date : 18-OCT-2000 10:26  
Operator : JT Inst ID: v2.i  
Smp Info : 524,V2B1018A,VBLK2M,V2B1018A  
Misc Info : ,3,,BLANK  
Comment :  
Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
Meth Date : 25-Oct-2000 14:45 mtl Quant Type: ISTD  
Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
Als bottle: 2 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 4.03  
Processing Host: TARGET6

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2L1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4833

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2	_____
74-87-3	Chloromethane	2	_____
75-01-4	Vinyl Chloride	2	_____
74-83-9	Bromomethane	2	_____
75-00-3	Chloroethane	2	_____
75-69-4	Trichlorofluoromethane	2	_____
75-35-4	1,1-Dichloroethene	2	_____
75-09-2	Methylene Chloride	2	_____
156-60-5	trans-1,2-Dichloroethene	2	_____
1634-04-4	Methyl tert-butyl ether	2	_____
75-34-3	1,1-Dichloroethane	2	_____
156-59-2	cis-1,2-Dichloroethene	2	_____
590-20-7	2,2-Dichloropropane	2	_____
107-06-2	1,2-Dichloroethane	2	_____
74-97-5	Bromochloromethane	2	_____
67-66-3	Chloroform	2	_____
56-23-5	Carbon Tetrachloride	2	_____
71-55-6	1,1,1-Trichloroethane	2	_____
563-58-6	1,1-Dichloropropene	2	_____
79-01-6	Trichloroethene	2	_____
78-87-5	1,2-Dichloropropane	2	_____
71-43-2	Benzene	2	_____
74-95-3	Dibromomethane	2	_____
75-27-4	Bromodichloromethane	2	_____
10061-01-5	cis-1,3-Dichloropropene	2	_____
108-88-3	Toluene	2	_____
10061-02-6	trans-1,3-Dichloropropene	2	_____
79-00-5	1,1,2-Trichloroethane	2	_____
127-18-4	Tetrachloroethene	2	_____
142-28-9	1,3-Dichloropropane	2	_____
124-48-1	Dibromochloromethane	2	_____
106-93-4	1,2-Dibromoethane	2	_____
108-90-7	Chlorobenzene	2	_____
630-20-6	1,1,1,2-Tetrachloroethane	2	_____

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: V2L1018A

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4833

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	2	_____
136777-61-2	m,p-Xylene	3	_____
95-47-6	o-Xylene	2	_____
100-42-5	Styrene	2	_____
75-25-2	Bromoform	1	_____
98-82-8	Isopropylbenzene	2	_____
79-34-5	1,1,2,2-Tetrachloroethane	2	_____
108-86-1	Bromobenzene	2	_____
96-18-4	1,2,3-Trichloropropane	2	_____
103-65-1	n-Propylbenzene	2	_____
95-49-8	2-Chlorotoluene	2	_____
108-67-8	1,3,5-Trimethylbenzene	2	_____
106-43-4	4-Chlorotoluene	2	_____
98-06-6	tert-Butylbenzene	2	_____
95-63-6	1,2,4-Trimethylbenzene	2	_____
135-98-8	sec-Butylbenzene	2	_____
541-73-1	1,3-Dichlorobenzene	2	_____
99-87-6	4-Isopropyltoluene	2	_____
106-46-7	1,4-Dichlorobenzene	2	_____
104-51-8	n-Butylbenzene	2	_____
95-50-1	1,2-Dichlorobenzene	2	_____
96-12-8	1,2-Dibromo-3-chloropropane	2	_____
120-82-1	1,2,4-Trichlorobenzene	2	_____
87-68-3	Hexachlorobutadiene	2	_____
91-20-3	Naphthalene	2	_____
87-61-6	1,2,3-Trichlorobenzene	2	_____

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\2D4833.D

Date : 18-OCT-2000 11:41

Client ID: VBLK2MLCS

Sample Info: 524,V2L1018A,VBLK2MLCS,V2B1018A

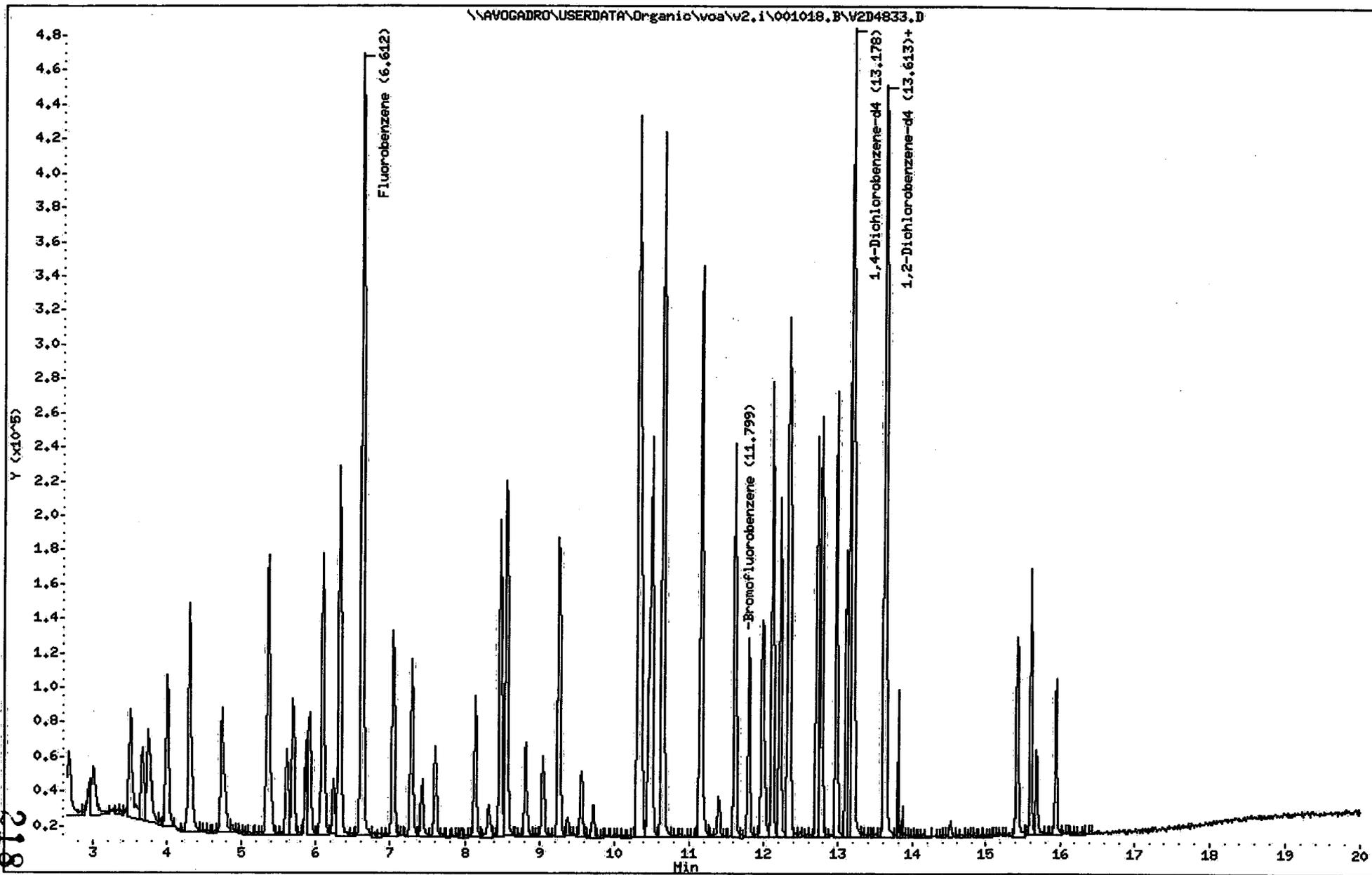
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4833.D  
 Lab Smp Id: V2L1018A Client Smp ID: VBLK2MLCS  
 Inj Date : 18-OCT-2000 11:41  
 Operator : JT Inst ID: v2.i  
 Smp Info : 524,V2L1018A,VBLK2MLCS,V2B1018A  
 Misc Info : ,3,,LCS  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785-B  
 Als bottle: 3 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL ( ug/L)
1 Dichlorodifluoromethane	85	1.923	1.923	(0.291)	36698	1.67252	2	
2 Chloromethane	50	2.061	2.093	(0.312)	102265	1.60462	2	
3 Vinyl Chloride	62	2.231	2.241	(0.337)	78526	1.67196	2	
4 Bromomethane	94	2.560	2.570	(0.387)	52940	1.61130	2	
5 Chloroethane	64	2.676	2.676	(0.405)	46601	1.70449	2	
6 Trichlorofluoromethane	101	3.016	3.016	(0.456)	36175	1.72162	2	
7 1,1-Dichloroethene	96	3.504	3.504	(0.530)	33136	1.70697	2	
8 Methylene Chloride	84	4.002	4.002	(0.605)	45086	1.62171	2	
9 trans-1,2-Dichloroethene	96	4.299	4.299	(0.650)	48193	1.76456	2	
10 Methyl tert-butyl ether	73	4.310	4.310	(0.652)	51842	1.73701	2	
11 1,1-Dichloroethane	63	4.734	4.734	(0.716)	98634	1.89499	2	
12 cis-1,2-Dichloroethene	96	5.360	5.360	(0.811)	46251	1.77369	2	
13 2,2-Dichloropropane	77	5.360	5.371	(0.811)	64572	2.08410	2	
M 14 1,2-Dichloroethene (Total)	96				94444	3.53825	4	
15 Bromochloromethane	128	5.615	5.615	(0.849)	15767	1.52421	2 (R)	
16 Chloroform	83	5.689	5.689	(0.860)	73931	1.77357	2	

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.912	5.912	(0.894)	57540	1.87428	2
18 1,1-Dichloropropene	75	6.081	6.081	(0.920)	65835	2.12073	2
19 Carbon Tetrachloride	117	6.103	6.103	(0.923)	45882	1.76078	2
20 Benzene	78	6.315	6.315	(0.955)	183638	1.86033	2
21 1,2-Dichloroethane	62	6.315	6.325	(0.955)	34948	1.73823	2
* 22 Fluorobenzene	96	6.612	6.612	(1.000)	481837	5.00000	
23 Trichloroethene	95	7.036	7.036	(1.064)	46769	1.81023	2
24 1,2-Dichloropropane	63	7.291	7.291	(1.103)	49970	1.97350	2
25 Dibromomethane	93	7.428	7.428	(1.124)	14831	1.64851	2
26 Bromodichloromethane	83	7.609	7.598	(1.151)	41773	1.75872	2
27 cis-1,3-Dichloropropene	75	8.139	8.139	(1.231)	51734	1.84678	2
28 Toluene	92	8.553	8.553	(1.294)	108302	1.83044	2
29 trans-1,3-Dichloropropene	75	8.818	8.818	(1.334)	34286	1.79400	2
30 1,1,2-Trichloroethane	83	9.052	9.041	(1.369)	17130	1.67265	2
31 Tetrachloroethene	166	9.253	9.253	(1.399)	53321	1.73661	2
32 1,3-Dichloropropane	76	9.264	9.264	(1.401)	33607	1.69957	2
33 Dibromochloromethane	129	9.561	9.561	(1.446)	23896	1.58313	2(R)
34 1,2-Dibromoethane	107	9.709	9.709	(1.468)	18653	1.59011	2(R)
35 Chlorobenzene	112	10.356	10.356	(1.566)	102477	1.67066	2
36 1,1,1,2-Tetrachloroethane	131	10.462	10.462	(1.582)	32234	1.61786	2
37 Ethylbenzene	91	10.494	10.494	(1.587)	194250	1.82328	2
38 m,p-Xylene	106	10.653	10.643	(1.611)	148372	3.44853	3
39 o-Xylene	106	11.152	11.152	(1.687)	68115	1.69521	2
40 Styrene	104	11.173	11.162	(1.690)	105534	1.69758	2
42 Bromoform	173	11.396	11.396	(1.724)	13850	1.48682	1(R)
43 Isopropylbenzene	105	11.619	11.608	(1.757)	180302	1.74465	2
M 41 Xylene (Total)	106				216487	5.14374	5
\$ 44 Bromofluorobenzene	95	11.799	11.799	(1.785)	43770	1.65045	2
45 1,1,2,2-Tetrachloroethane	83	11.969	11.969	(0.908)	19686	1.87239	2
46 Bromobenzene	156	11.990	11.990	(0.910)	38337	1.84997	2
47 1,2,3-Trichloropropane	75	12.022	12.022	(0.912)	17887	2.07669	2
48 n-Propylbenzene	91	12.117	12.117	(0.920)	231965	2.21907	2
49 2-Chlorotoluene	91	12.223	12.223	(0.928)	124509	2.04100	2
50 1,3,5-Trimethylbenzene	105	12.329	12.329	(0.936)	148482	2.05506	2
51 4-Chlorotoluene	91	12.350	12.350	(0.937)	139994	2.06111	2
52 tert-Butylbenzene	119	12.722	12.722	(0.965)	127180	2.09428	2
53 1,2,4-Trimethylbenzene	105	12.775	12.775	(0.969)	145838	2.01341	2
54 sec-Butylbenzene	105	12.976	12.976	(0.985)	203941	2.13105	2
55 1,3-Dichlorobenzene	146	13.104	13.104	(0.994)	79738	1.83220	2
56 4-Isopropyltoluene	119	13.146	13.146	(0.998)	160798	2.04011	2
* 57 1,4-Dichlorobenzene-d4	152	13.178	13.178	(1.000)	143162	5.00000	
58 1,4-Dichlorobenzene	146	13.210	13.210	(1.002)	76578	1.79026	2
\$ 59 1,2-Dichlorobenzene-d4	152	13.613	13.613	(1.033)	46732	2.02033	2
60 n-Butylbenzene	91	13.613	13.613	(1.033)	166963	2.21398	2
61 1,2-Dichlorobenzene	146	13.634	13.634	(1.035)	62025	1.77241	2
62 1,2-Dibromo-3-chloropropane	75	14.514	14.504	(1.101)	2420	2.04827	2
63 1,2,4-Trichlorobenzene	180	15.427	15.416	(1.171)	46747	1.72808	2

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.607	15.607	(1.184)	37207	1.89684	2
65 Naphthalene	128	15.681	15.681	(1.190)	46586	1.71594	2
66 1,2,3-Trichlorobenzene	180	15.946	15.946	(1.210)	35434	1.66031	2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

*Ag*  
*10/24/00*

*R*

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643018

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4842

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	----------------------------------------------	---

75-71-8-----	Dichlorodifluoromethane	6	
74-87-3-----	Chloromethane	6	
75-01-4-----	Vinyl Chloride	7	
74-83-9-----	Bromomethane	7	
75-00-3-----	Chloroethane	7	
75-69-4-----	Trichlorofluoromethane	7	
75-35-4-----	1,1-Dichloroethene	7	
75-09-2-----	Methylene Chloride	7	
156-60-5-----	trans-1,2-Dichloroethene	8	
1634-04-4-----	Methyl tert-butyl ether	9	
75-34-3-----	1,1-Dichloroethane	9	
156-59-2-----	cis-1,2-Dichloroethene	8	
590-20-7-----	2,2-Dichloropropane	8	
107-06-2-----	1,2-Dichloroethane	8	
74-97-5-----	Bromochloromethane	8	
67-66-3-----	Chloroform	8	
56-23-5-----	Carbon Tetrachloride	8	
71-55-6-----	1,1,1-Trichloroethane	9	
563-58-6-----	1,1-Dichloropropene	10	
79-01-6-----	Trichloroethene	44	E
78-87-5-----	1,2-Dichloropropane	9	
71-43-2-----	Benzene	9	
74-95-3-----	Dibromomethane	8	
75-27-4-----	Bromodichloromethane	9	
10061-01-5-----	cis-1,3-Dichloropropene	9	
108-88-3-----	Toluene	9	
10061-02-6-----	trans-1,3-Dichloropropene	9	
79-00-5-----	1,1,2-Trichloroethane	9	
127-18-4-----	Tetrachloroethene	8	
142-28-9-----	1,3-Dichloropropane	9	
124-48-1-----	Dibromochloromethane	8	
106-93-4-----	1,2-Dibromoethane	8	
108-90-7-----	Chlorobenzene	8	
630-20-6-----	1,1,1,2-Tetrachloroethane	8	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643018

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4842

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-41-4	Ethylbenzene	9	
136777-61-2	m,p-Xylene	16	
95-47-6	o-Xylene	8	
100-42-5	Styrene	8	
75-25-2	Bromoform	8	
98-82-8	Isopropylbenzene	9	
79-34-5	1,1,2,2-Tetrachloroethane	10	
108-86-1	Bromobenzene	9	
96-18-4	1,2,3-Trichloropropane	10	
103-65-1	n-Propylbenzene	10	
95-49-8	2-Chlorotoluene	10	
108-67-8	1,3,5-Trimethylbenzene	9	
106-43-4	4-Chlorotoluene	10	
98-06-6	tert-Butylbenzene	10	
95-63-6	1,2,4-Trimethylbenzene	10	
135-98-8	sec-Butylbenzene	10	
541-73-1	1,3-Dichlorobenzene	9	
99-87-6	4-Isopropyltoluene	9	
106-46-7	1,4-Dichlorobenzene	8	
104-51-8	n-Butylbenzene	10	
95-50-1	1,2-Dichlorobenzene	9	
96-12-8	1,2-Dibromo-3-chloropropane	11	
120-82-1	1,2,4-Trichlorobenzene	9	
87-68-3	Hexachlorobutadiene	9	
91-20-3	Naphthalene	9	
87-61-6	1,2,3-Trichlorobenzene	9	

Data File: \\AVOGADRO\USERDATA\Organic\voa\2.i\001018.B\2D4842.D

Date : 18-OCT-2000 16:10

Client ID: 005SR-IFMS

Sample Info: RFW,71643018,005SR-IFMS,V2B1018A,20,71643

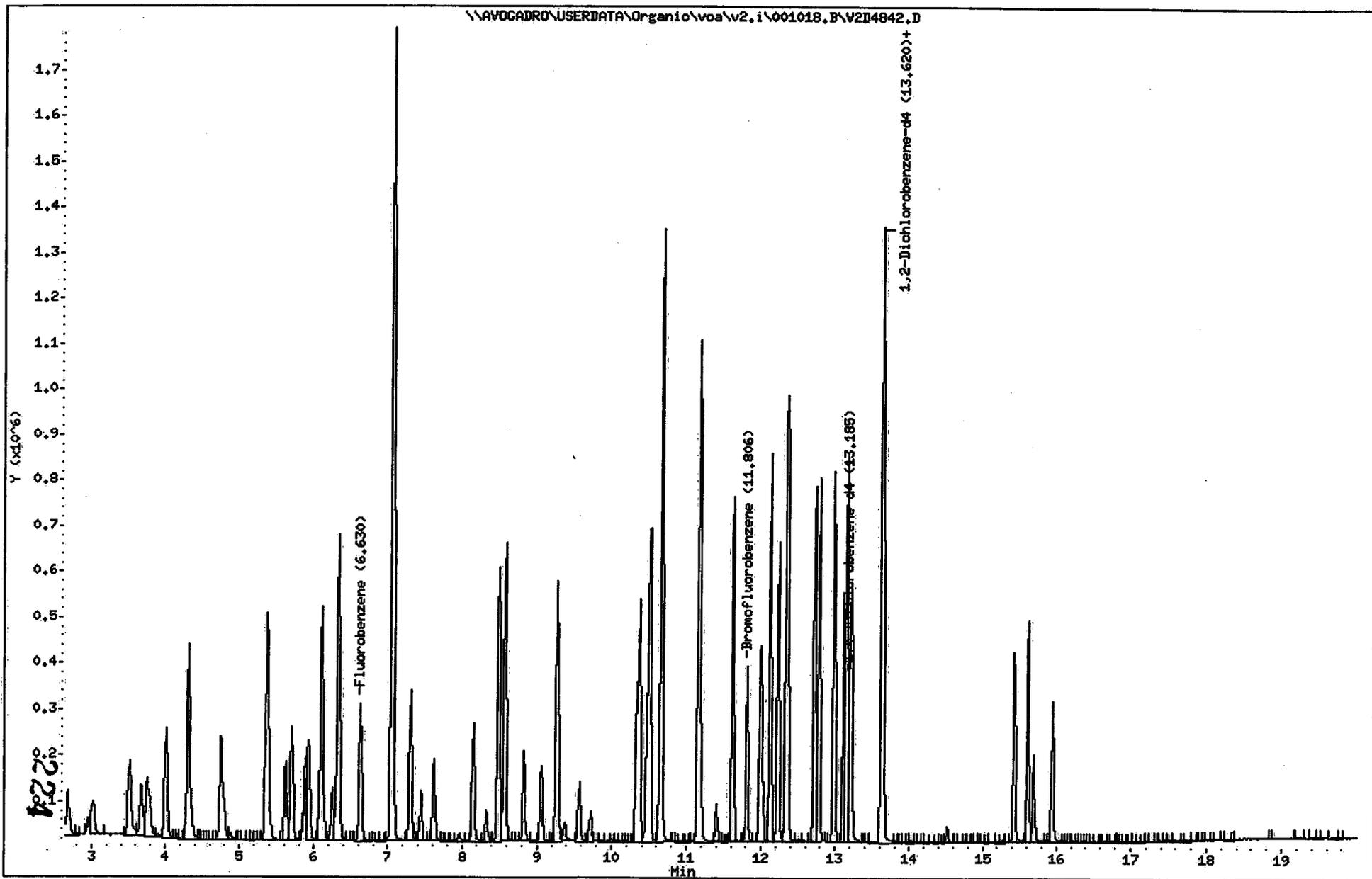
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4842.D  
 Lab Smp Id: 71643018 Client Smp ID: 005SR-IFMS  
 Inj Date : 18-OCT-2000 16:10  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643018,005SR-IFMS,V2B1018A,20,71643  
 Misc Info : 12-OCT-00,3,,MS  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mt1 Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 12 QC Sample: MS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL ( ug/L)
1 Dichlorodifluoromethane	85	1.920	1.923	(0.290)	87457	6.03813	6(R)
2 Chloromethane	50	2.079	2.093	(0.314)	276893	6.58169	6(R)
3 Vinyl Chloride	62	2.238	2.241	(0.338)	213661	6.89156	7(R)
4 Bromomethane	94	2.578	2.570	(0.389)	143535	6.61806	7(R)
5 Chloroethane	64	2.684	2.676	(0.405)	127928	7.08833	7
6 Trichlorofluoromethane	101	3.013	3.016	(0.454)	97067	6.99810	7(R)
7 1,1-Dichloroethene	96	3.511	3.504	(0.530)	94267	7.35640	7
8 Methylene Chloride	84	4.010	4.002	(0.605)	133610	7.28033	7
9 trans-1,2-Dichloroethene	96	4.307	4.299	(0.650)	150604	8.35351	8
10 Methyl tert-butyl ether	73	4.317	4.310	(0.651)	176600	8.96377	9
11 1,1-Dichloroethane	63	4.742	4.734	(0.715)	313507	9.12449	9
12 cis-1,2-Dichloroethene	96	5.367	5.360	(0.810)	145704	8.46462	8
13 2,2-Dichloropropane	77	5.378	5.371	(0.811)	167687	8.19887	8
M 14 i,2-Dichloroethene (Total)	96				296308	16.8181	17
15 Bromochloromethane	128	5.622	5.615	(0.848)	53292	7.80437	8
16 Chloroform	83	5.707	5.689	(0.861)	233033	8.46876	8

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.919	5.912	(0.893)	176665	8.71755	9
18 1,1-Dichloropropene	75	6.099	6.081	(0.920)	199427	9.73181	10
19 Carbon Tetrachloride	117	6.110	6.103	(0.922)	144076	8.37594	8
20 Benzene	78	6.322	6.315	(0.954)	578238	8.87392	9
21 1,2-Dichloroethane	62	6.333	6.325	(0.955)	112868	8.50424	8
* 22 Fluorobenzene	96	6.630	6.612	(1.000)	318068	5.00000	
23 Trichloroethene	95	7.043	7.036	(1.062)	749090	43.9229	44 (AR)
24 1,2-Dichloropropane	63	7.298	7.291	(1.101)	156942	9.38960	9
25 Dibromomethane	93	7.436	7.428	(1.122)	50988	8.58555	8
26 Bromodichloromethane	83	7.616	7.598	(1.149)	140692	8.97325	9
27 cis-1,3-Dichloropropene	75	8.147	8.139	(1.229)	167028	9.03249	9
28 Toluene	92	8.571	8.553	(1.293)	339334	8.68812	9
29 trans-1,3-Dichloropropene	75	8.825	8.818	(1.331)	113679	9.01087	9
30 1,1,2-Trichloroethane	83	9.059	9.041	(1.366)	58227	8.61294	9
31 Tetrachloroethene	166	9.271	9.253	(1.398)	169899	8.38252	8
32 1,3-Dichloropropane	76	9.271	9.264	(1.398)	113857	8.72266	9
33 Dibromochloromethane	129	9.568	9.561	(1.443)	81245	8.15396	8
34 1,2-Dibromoethane	107	9.727	9.709	(1.467)	61004	7.87803	8
35 Chlorobenzene	112	10.364	10.356	(1.563)	329227	8.13085	8
36 1,1,1,2-Tetrachloroethane	131	10.470	10.462	(1.579)	108546	8.25315	8
37 Ethylbenzene	91	10.512	10.494	(1.586)	613816	8.72792	9
38 m,p-Xylene	106	10.661	10.643	(1.608)	463810	16.3306	16
39 o-Xylene	106	11.159	11.152	(1.683)	217878	8.21436	8
40 Styrene	104	11.180	11.162	(1.686)	347178	8.45999	8
42 Bromoform	173	11.403	11.396	(1.720)	50268	8.17489	8
43 Isopropylbenzene	105	11.626	11.608	(1.754)	589185	8.63655	9
M 41 Xylene (Total)	106				681688	24.5450	24
\$ 44 Bromofluorobenzene	95	11.806	11.799	(1.781)	147429	8.42150	8
45 1,1,2,2-Tetrachloroethane	83	11.976	11.969	(0.908)	70965	9.80781	10
46 Bromobenzene	156	11.997	11.990	(0.910)	132906	9.31924	9
47 1,2,3-Trichloropropane	75	12.029	12.022	(0.912)	59465	10.0320	10
48 n-Propylbenzene	91	12.124	12.117	(0.920)	744754	10.3526	10
49 2-Chlorotoluene	91	12.231	12.223	(0.928)	401433	9.56194	10
50 1,3,5-Trimethylbenzene	105	12.337	12.329	(0.936)	468243	9.41699	9
51 4-Chlorotoluene	91	12.358	12.350	(0.937)	448828	9.60202	10
52 tert-Butylbenzene	119	12.729	12.722	(0.965)	407563	9.75217	10
53 1,2,4-Trimethylbenzene	105	12.782	12.775	(0.969)	474937	9.52767	10
54 sec-Butylbenzene	105	12.984	12.976	(0.985)	643884	9.77656	10
55 1,3-Dichlorobenzene	146	13.111	13.104	(0.994)	265899	8.87800	9
56 4-Isopropyltoluene	119	13.153	13.146	(0.998)	511609	9.43194	9
* 57 1,4-Dichlorobenzene-d4	152	13.185	13.178	(1.000)	98523	5.00000	
58 1,4-Dichlorobenzene	146	13.217	13.210	(1.002)	252528	8.57850	8
\$ 59 1,2-Dichlorobenzene-d4	152	13.620	13.613	(1.033)	146221	9.18561	9
60 n-Butylbenzene	91	13.620	13.613	(1.033)	528557	10.1844	10
61 1,2-Dichlorobenzene	146	13.641	13.634	(1.035)	213159	8.85098	9
62 1,2-Dibromo-3-chloropropane	75	14.511	14.504	(1.101)	8767	10.7823	11
63 1,2,4-Trichlorobenzene	180	15.434	15.416	(1.171)	163185	8.76557	9

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
-----	----	==	=====	=====	=====	=====	=====
64 Hexachlorobutadiene	225	15.614	15.607	(1.184)	120859	8.95313	9
65 Naphthalene	128	15.689	15.681	(1.190)	162296	8.68652	9
66 1,2,3-Trichlorobenzene	180	15.954	15.946	(1.210)	126975	8.64526	9

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- R - Spike/Surrogate failed recovery limits.

*A9*  
*10/24/00*

*K*

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643019

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4843

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	7	
74-87-3	Chloromethane	7	
75-01-4	Vinyl Chloride	8	
74-83-9	Bromomethane	7	
75-00-3	Chloroethane	8	
75-69-4	Trichlorofluoromethane	8	
75-35-4	1,1-Dichloroethene	8	
75-09-2	Methylene Chloride	7	
156-60-5	trans-1,2-Dichloroethene	8	
1634-04-4	Methyl tert-butyl ether	9	
75-34-3	1,1-Dichloroethane	9	
156-59-2	cis-1,2-Dichloroethene	9	
590-20-7	2,2-Dichloropropane	8	
107-06-2	1,2-Dichloroethane	9	
74-97-5	Bromochloromethane	8	
67-66-3	Chloroform	8	
56-23-5	Carbon Tetrachloride	8	
71-55-6	1,1,1-Trichloroethane	9	
563-58-6	1,1-Dichloropropene	10	
79-01-6	Trichloroethene	44	E
78-87-5	1,2-Dichloropropane	10	
71-43-2	Benzene	9	
74-95-3	Dibromomethane	9	
75-27-4	Bromodichloromethane	9	
10061-01-5	cis-1,3-Dichloropropene	9	
108-88-3	Toluene	9	
10061-02-6	trans-1,3-Dichloropropene	9	
79-00-5	1,1,2-Trichloroethane	8	
127-18-4	Tetrachloroethene	8	
142-28-9	1,3-Dichloropropane	9	
124-48-1	Dibromochloromethane	8	
106-93-4	1,2-Dibromoethane	8	
108-90-7	Chlorobenzene	8	
630-20-6	1,1,1,2-Tetrachloroethane	8	

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

005SR-IFMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71643

Matrix: (soil/water) WATER

Lab Sample ID: 71643019

Sample wt/vol: 25.00 (g/mL) ML

Lab File ID: V2D4843

Level: (low/med) LOW

Date Received: 10/12/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 10/18/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	Q
100-41-4	Ethylbenzene	9
136777-61-2	m,p-Xylene	17
95-47-6	o-Xylene	8
100-42-5	Styrene	8
75-25-2	Bromoform	8
98-82-8	Isopropylbenzene	9
79-34-5	1,1,2,2-Tetrachloroethane	10
108-86-1	Bromobenzene	9
96-18-4	1,2,3-Trichloropropane	10
103-65-1	n-Propylbenzene	10
95-49-8	2-Chlorotoluene	10
108-67-8	1,3,5-Trimethylbenzene	9
106-43-4	4-Chlorotoluene	9
98-06-6	tert-Butylbenzene	10
95-63-6	1,2,4-Trimethylbenzene	9
135-98-8	sec-Butylbenzene	10
541-73-1	1,3-Dichlorobenzene	9
99-87-6	4-Isopropyltoluene	9
106-46-7	1,4-Dichlorobenzene	8
104-51-8	n-Butylbenzene	10
95-50-1	1,2-Dichlorobenzene	8
96-12-8	1,2-Dibromo-3-chloropropane	10
120-82-1	1,2,4-Trichlorobenzene	9
87-68-3	Hexachlorobutadiene	9
91-20-3	Naphthalene	9
87-61-6	1,2,3-Trichlorobenzene	8

Data File: \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4843.D

Date : 18-OCT-2000 16:42

Client ID: 005SR-IFMSD

Sample Info: RFW,71643019,005SR-IFMSD,V2B1018A,20,71643

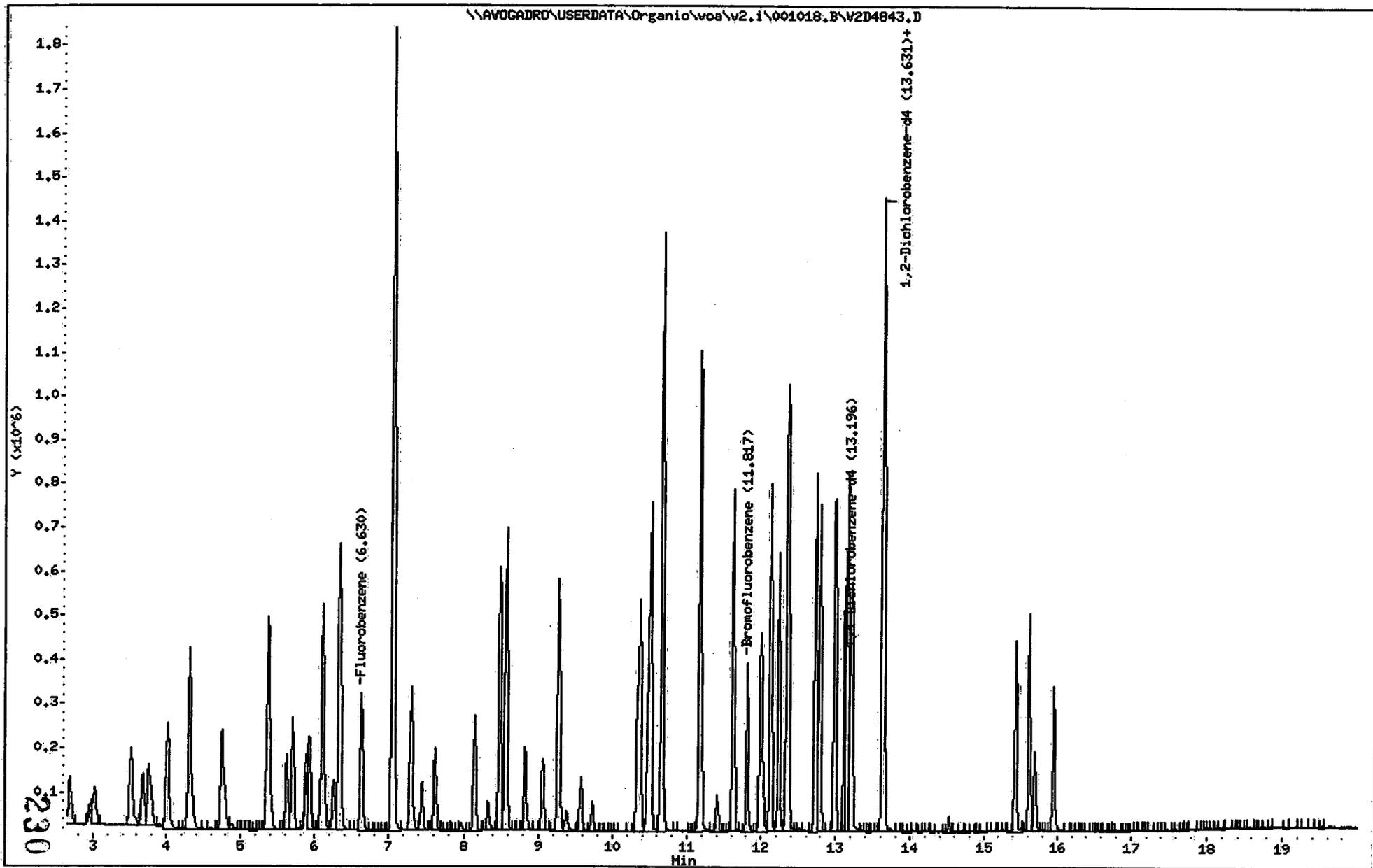
Purge Volume: 25.0

Column phase: DB-624

Instrument: v2.i

Operator: JT

Column diameter: 0.25



Mitkem Corporation

524.2 VOLATILE QUANTITATION REPORT

Data file : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\V2D4843.D  
 Lab Smp Id: 71643019 Client Smp ID: 005SR-IFMSD  
 Inj Date : 18-OCT-2000 16:42  
 Operator : JT Inst ID: v2.i  
 Smp Info : RFW,71643019,005SR-IFMSD,V2B1018A,20,71643  
 Misc Info : 12-OCT-00,3,,MSD  
 Comment :  
 Method : \\AVOGADRO\USERDATA\Organic\voa\v2.i\001018.B\v2524.m  
 Meth Date : 24-Oct-2000 19:23 mtl Quant Type: ISTD  
 Cal Date : 16-OCT-2000 17:18 Cal File: V2D4785.D  
 Als bottle: 13 QC Sample: MSD  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

Concentration Formula: Amt \* DF \* Uf \* 25/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	25.000	Sample Volume purged (mL)

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)
1 Dichlorodifluoromethane	85	1.931	1.923	(0.291)	99049	6.80119	7 (R)
2 Chloromethane	50	2.079	2.093	(0.314)	314423	7.43303	7
3 Vinyl Chloride	62	2.249	2.241	(0.339)	248441	7.96970	8
4 Bromomethane	94	2.578	2.570	(0.389)	162087	7.43272	7
5 Chloroethane	64	2.684	2.676	(0.405)	143892	7.92942	8
6 Trichlorofluoromethane	101	3.023	3.016	(0.456)	114081	8.17991	8
7 1,1-Dichloroethene	96	3.511	3.504	(0.530)	99990	7.76048	8
8 Methylene Chloride	84	4.021	4.002	(0.606)	133912	7.25701	7
9 trans-1,2-Dichloroethene	96	4.307	4.299	(0.650)	152540	8.41478	8
10 Methyl tert-butyl ether	73	4.317	4.310	(0.651)	178130	8.99216	9
11 1,1-Dichloroethane	63	4.753	4.734	(0.717)	317899	9.20189	9
12 cis-1,2-Dichloroethene	96	5.368	5.360	(0.810)	150596	8.70114	9
13 2,2-Dichloropropane	77	5.378	5.371	(0.811)	176219	8.56907	8
M 14 1,2-Dichloroethene (Total)	96				303136	17.1159	17
15 Bromochloromethane	128	5.622	5.615	(0.848)	53041	7.72528	8
16 Chloroform	83	5.707	5.689	(0.861)	234922	8.49088	8

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
=====	====	==	=====	=====	=====	=====	=====
17 1,1,1-Trichloroethane	97	5.930	5.912	(0.894)	179034	8.78630	9
18 1,1-Dichloropropene	75	6.100	6.081	(0.920)	203738	9.88799	10
19 Carbon Tetrachloride	117	6.110	6.103	(0.922)	146267	8.45697	8
20 Benzene	78	6.322	6.315	(0.954)	580906	8.86627	9
21 1,2-Dichloroethane	62	6.333	6.325	(0.955)	114942	8.61330	9
* 22 Fluorobenzene	96	6.630	6.612	(1.000)	319811	5.00000	
23 Trichloroethene	95	7.054	7.036	(1.064)	754652	44.0078	44 (AR)
24 1,2-Dichloropropene	63	7.298	7.291	(1.101)	160884	9.57298	10
25 Dibromomethane	93	7.447	7.428	(1.123)	51440	8.61445	9
26 Bromodichloromethane	83	7.617	7.598	(1.149)	140572	8.91674	9
27 cis-1,3-Dichloropropene	75	8.147	8.139	(1.229)	169658	9.12471	9
28 Toluene	92	8.571	8.553	(1.293)	349287	8.89421	9
29 trans-1,3-Dichloropropene	75	8.826	8.818	(1.331)	114170	9.00046	9
30 1,1,2-Trichloroethane	83	9.059	9.041	(1.366)	57984	8.53025	8
31 Tetrachloroethene	166	9.271	9.253	(1.398)	168129	8.24998	8
32 1,3-Dichloropropene	76	9.282	9.264	(1.400)	116383	8.86758	9
33 Dibromochloromethane	129	9.579	9.561	(1.445)	82323	8.21712	8
34 1,2-Dibromoethane	107	9.727	9.709	(1.467)	62718	8.05524	8
35 Chlorobenzene	112	10.375	10.356	(1.565)	332725	8.17246	8
36 1,1,1,2-Tetrachloroethane	131	10.470	10.462	(1.579)	108224	8.18382	8
37 Ethylbenzene	91	10.512	10.494	(1.586)	623505	8.81737	9
38 m,p-Xylene	106	10.661	10.643	(1.608)	476422	16.6832	17
39 o-Xylene	106	11.170	11.152	(1.685)	224996	8.43649	8
40 Styrene	104	11.181	11.162	(1.686)	352098	8.53312	8
42 Bromoform	173	11.414	11.396	(1.722)	49628	8.02682	8
43 Isopropylbenzene	105	11.626	11.608	(1.754)	594038	8.66023	9
M 41 Xylene (Total)	106				701418	25.1197	25
\$ 44 Bromofluorobenzene	95	11.817	11.799	(1.782)	145913	8.28948	8
45 1,1,2,2-Tetrachloroethane	83	11.976	11.969	(0.908)	73543	9.99360	10
46 Bromobenzene	156	11.997	11.990	(0.909)	129399	8.92112	9
47 1,2,3-Trichloropropene	75	12.029	12.022	(0.912)	61260	10.1614	10 (Q)
48 n-Propylbenzene	91	12.135	12.117	(0.920)	753504	10.2986	10
49 2-Chlorotoluene	91	12.231	12.223	(0.927)	410999	9.62557	10
50 1,3,5-Trimethylbenzene	105	12.348	12.329	(0.936)	478495	9.46173	9
51 4-Chlorotoluene	91	12.369	12.350	(0.937)	450501	9.47613	9
52 tert-Butylbenzene	119	12.729	12.722	(0.965)	413985	9.73966	10
53 1,2,4-Trimethylbenzene	105	12.793	12.775	(0.969)	478412	9.43638	9
54 sec-Butylbenzene	105	12.995	12.976	(0.985)	649689	9.69921	10
55 1,3-Dichlorobenzene	146	13.122	13.104	(0.994)	262248	8.60921	9
56 4-Isopropyltoluene	119	13.154	13.146	(0.997)	512819	9.29565	9
* 57 1,4-Dichlorobenzene-d4	152	13.196	13.178	(1.000)	100204	5.00000	
58 1,4-Dichlorobenzene	146	13.228	13.210	(1.002)	254619	8.50443	8
\$ 59 1,2-Dichlorobenzene-d4	152	13.631	13.613	(1.033)	138031	8.52565	8
60 n-Butylbenzene	91	13.631	13.613	(1.033)	532329	10.0850	10
61 1,2-Dichlorobenzene	146	13.652	13.634	(1.035)	209552	8.55524	8
62 1,2-Dibromo-3-chloropropane	75	14.522	14.504	(1.100)	8599	10.3983	10
63 1,2,4-Trichlorobenzene	180	15.434	15.416	(1.170)	162957	8.60648	9

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
===== 64 Hexachlorobutadiene	225	15.615	15.607	(1.183)	119389	8.69587	9
65 Naphthalene	128	15.700	15.681	(1.190)	168063	8.84428	9
66 1,2,3-Trichlorobenzene	180	15.954	15.946	(1.209)	125446	8.39787	8

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- R - Spike/Surrogate failed recovery limits.

*Handwritten signature*  
10/24/00

*K*

DATE: 10/17/00

INSTRUMENT V2  
INJECTION LOG

MITKEM CORPORATION  
VOLATILES LABORATORY

METHOD: V2 524 CAL ID: VW001016A-GAS ANALYST: JT  
 INITIAL CAL: 10116/00 IS/SS ID: C-25/SS 10X ARCHIVE:  
 D-1.2-028-d4  
 E-25  
 922A-STD

AS #	FILE	MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
DI	V2D4790	V2T1017A	BFB2K	121	-	OK 8=45			
1	91	V2S1017A	VSTD002K	25ml	-	NG			
2	92	↓	↓			OK			
3	93	V2B1017A	VBLK2K			OK	✓	✓	
4	94	V2L1017A	VBLK2K LCS			NG			
5	95	↓ B	ZCV			OK	✓	✓	
6	96	↓ C	VBLK2K LCS			OK, 4 Comp out.	✓	✓	
7	97	71647001	MR2P-PORT10			OK	✓	✓	pH=2
8	98	02	99			OK	✓	✓	
9	99	03	01			1,1,1-Trichloroethane 418 RR 20X	✓	✓	
10	V2D4800	04	02			1,1,1-Trichloroethane 367 RR 20X	✓	✓	
11	01	05	03			1,1,1-Trichloroethane 232 RR 10X	✓	✓	
12	02	↓ 06	TB101100			OK, no carry over	✓	✓	↓
13	03	71643001	250WS-ZF			OK	✓	✓	pH=7
14	04	02	CF			OK	✓	✓	
15	05	03	EF			OK	✓	✓	
16	06	04	240WS-ZF			OK	✓	✓	
17	07	05	CF			OK	✓	✓	
18	↓ 08	↓ 06	↓ EF	↓	↓	OK 20:35	✓	✓	↓

10/18/00

DATE: 10/17/00

INSTRUMENT V2  
INJECTION LOG

MITKEM CORPORATION  
VOLATILES LABORATORY

METHOD:  $\sqrt{2}$  524 CAL ID: VW001016A-QAS ANALYST: ST

INITIAL CAL: 10/16/00 IS/SS ID: C-25/55 10X ARCHIVE:

D-12-DXB

E-25

922A-STD

COMMENTS:

Continued

AS #	FILE	MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH				
2	V2D4809	V2T1017B	BFB2L	25ml	-	OK 21:38							
20	10	V2S1017B	VSTD0502L										
21	11	↓	↓							OK			
22	12	V2B1017B	VBLK2L							OK	✓	OK	
23	13	↓	↓							OK	✓	✓	
24	14	V2L1017C	VBLK2LLCS							Not used	✓	✓	
25	15	↓	↓							Use this one. Four emp out	✓	✓	
26	16	71643008	246WS-EF							OK	✓	✓	pH=>
27	17	09	CF							OK	✓	✓	↓
28	18	10	EF							OK	✓	✓	↓
29	19	16	247WS-EF							OK	✓	✓	↓
30	↓ 20	↓ 17	TB-01	↓	↓	OK 05:07	✓	✓	↓				
<div style="border: 1px solid black; width: 100%; height: 100%; transform: rotate(45deg); position: absolute; top: 50%; left: 50%;"></div> <p>10/2/00</p>													



DATE: 10/18/00

INSTRUMENT V2  
INJECTION LOG

MITKEM CORPORATION  
VOLATILES LABORATORY

METHOD: V2 524

CAL ID: VWS 001016A - GAS

ANALYST: JT

INITIAL CAL: 10/16/00

IS/SS ID:

C-26/SS10X

ARCHIVE:

D-1.2-DCB

COMMENTS:

E-Is

922A - STD

AS #	FILE	MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
DI	V2D4830	V2T1018A	BFB2M	1uL	-	OK 09:23			
1	31	V2S1018A	VSTD0502M	25ml		OK, 2 Cmpd out			
2	32	V2B1018A	VBLK2M			OK	✓	✓	
3	33	V2L1018A	VBLK2M LCS			OK	✓	✓	
4	34	71643007	420 WS-EF			OK	✓	✓	PH=)
5	35	11	005SR-EF			TCE 387, RR 20X	✓	✓	
6	36	12	CF			OK	✓	✓	
7	37	13	EF			OK Not runned	✗	✗	
8	38	14	247WS-EF			OK	✓	✓	
9	39	15	EF			OK	✓	✓	
10	40	11	005SR-EF		20	OK, TCE 35	✓	✓	
11	41	13	EFMS		1	OK	✓	✓	
12	42	15	005SR-EFMSD		20	OK	✓	✓	
13	43	19	EFMSD		20	OK	✓	✓	✓
14	44	V2B1018B	VBLK2M		1	OK, clean	✓	✓	
15	45	71647007	MREP. PORTIONS			Not used	✓	✓	PHCL
16	46	08	10MSD			Use this one	SN	✓	
17	47	03	01		20	OK, 1,1,1-Trichloroethane 29	✓	✓	
18	48	04	02		20	OK, 1,1,1-Trichloroethane 24	✓	✓	
19	49	05	03		10	OK, 1,1,1-Trichloroethane 25	✓	✓	
20	50	08	10MSD		1	Use this one 20:44	1✓	✓	✓

10/23/00

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**MITKEM CORPORATION: VOLATILE ORGANICS TRACKING LOGBOOK**

Project	Client	#'s / Analyst/ Date In	Comments	#'s / Analyst/ Date out	#'s / Analyst/ Date In	#'s / Analyst/ Date out	#'s / Analyst/ Date In	#'s / Analyst/ Date out	
71626	EPA	10-10-00						01-20	
71625	EPA	↓						01-15	
71607	EPA			10/16/00 10:00 JS	10/16/00 11:00 JS			08-13	
71623	EPA							01	
71620	D+B							01-08	
71631	EPA		10-11-00		10/16/00 14:00 Ken	10/16/00 15:00 Ken	10/17/00 11:00 JS	10/17/00 12:00 JS	01-10
71630	EPA	"		10/16/00 14:00 Ken	10/16/00 15:00 Ken	10/17/00 11:30 JS	10/17/00 12:30 JS	01-04	
71627	FW	"						01-07	
71634	D+B	"						01-03	
71632	LMS	"						01-02, 04, 05-07 09-10, 11-14	
71624	FW	"						01-04	
71633	D+B	"						01-04	
71638	FW	"						01-03	
71634	GZA	"						01	
71643	WESTON	10-12-00		10/17/00 14:00 JT	10/17/00 15:00 JT			01-17	
71630	EPA	↓						05-08	
71641	D+B							01-05	
71645	TAMS							01-06	
71656	EPA		10-13-00		10/18/00 9:00 YW	10/18/00 11:30 YW			01-20
71657					10/18/00 9:00 YW	10/18/00 11:00 YW			01-20
71658				10/18/00 9:00 YW	10/18/00 11:00 YW			01-11	
71639				10/18/00 9:00 YW	10/18/00 11:00 YW	10/19/00 10:00 YD	10/19/00 11:00 YD	02-06	
71630				10/17/00 11:30 JS	10/17/00 12:30 JS	10/18/00 10:00 JS	10/18/00 11:00 JS	09-11	